KANWALJIT SINGH
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CAREER OBJECTIVE

An enthusiastic cloud engineer eagerly awaiting opportunities to use my aptitude and insight in the field of cloud administration and my skills will increase the value of organizational operations.

ACADEMIC BACKGROUND

Year(s)	Qualification − Degree / Diploma / Certificate	Board/University	College / Institute/ University	Percentage / CGPA
2015-19	B. Tech Computer Science Engineering with specialization in Cloud Computing & Virtualizatio n Technology	University of Petroleum and Energy Studies	College of Engineering Studies	7.40/10
2015	S.S.E	P.S.E.B	Rishi Public Sr. Sec. School, Sangrur	92.20
2013	S.C.E	C.B.S.E	Vasant Valley Public School, Sangrur	9.20

CERTIFICATIONS

Institution:	**Verzeo, Bangalore**	**Duration: June-August'18**
Certification:	**Microsoft Technology Associate (MTA)**	
Description:	The certification is laid on the topics of Cloud fundamentals under syllabus comprises of Azure's MCSA (Microsoft Certified Solutions Associate) with an exam at the end.	

Institution:	**LinkedIn Learning, Lynda**	**Duration: June-August'18**
Certification:	**Python Essential Training Course**	
Description:	The certification involves intermediate level of training in python language while implementing it's basics in an object-oriented applications.	

TRAININGS | INTERNSHIPS

Institution:	**Infosys Limited, Chandigarh**	**Duration: June-August'18**
Project Title:	**Real-Time Automobile Registration System (RARS)**	
Live Weburl:	**www.rarsvehilce.ooo**	
Description:	• Elevated Real Time Automobile Registration System using Python and SQL database.	

• Iron Out remote database connectivity errors with portable executable.

•   Ensured proper constraints to be followed while registering new vehicle, entering driver license details. Authentication of users from database by centralized login with admin credentials to control.

Institution:	**Cyber Peace Foundation (CPF), Ranchi**	**Duration: June-August'18**
Project Title:	**Latency Analyzer**	
Live Weburl:	**www.latency.ooo**	
Description:	• Developed Responsive Portal GUI with latency graph using particles Js and PHP for backend.	

- Provided Client-Side latency executable solution in Python with location map API.
- Frame out remote connectivity using virtual private server for worldwide websites.
- Ensured Network Constraints i.e. ASN, IPv4 etc. for fetching server information to the SQL database.

Institution:	**Verzeo, Bangalore**	**Duration: June-August'18**
Project Title:	**Microsoft Azure Infrastructure Solutions**	
Live Weburl:	**https://www.youtube.com/channel/UCfvkj5OJmfPN9sGy_0lZg5g**	
Description:	• Setup & evaluate the Azure's Region to Region Vnet features.	

- Deployed & evaluate the Azure's Point to Site Vnet infrastructure.
- Deployed & Working on Microsoft's Active Directory Services in Cloud.
- Deployed Azure's Traffic Manager to Measure up it's performance in peak hours.

Institution:	**DesiDime − Member Experience**	**Duration: June-August'15**
Project Title:	**Giant Smileys Userscript - Google Chrome, Firefox & Opera**	
Live Weburl:	**www.bit.ly/2AySANw**	
Description:	• Developed Smileys Userscript for Community's Online Social interaction.	

- The scripts lift off the limitation to smiley usage in posts and offer a huge variety of smileys.
- Frame out integration with Website's Forum software with Imgur as hosting solution.
- Ensured smilies to get added in every post/topics/chats/pm.

EXPERIENCE | PROJECTS UNDERTAKEN

Tech Blogg:	**NetNeek − Insightsof Technology**	**Duration: August-January'16-19**
PlayStore:	**https://play.google.com/store/apps/details?id=com.netneek.net**	
Live Weburl:	**www.netneek.net	https://www.youtube.com/netneek**	
Description:	• Developed & Founded Tech Channel with over 1.4k YouTube Followers presently in India.	

- Developed the open-source social interactive Android App for digital deals discussion in Jan'19.
- Designed the Website with WordPress CMS and Zoho as Webmail Integration.
- Frame out the Tech Blog with Latest technology and deals with various WhatsApp channels.

Business:	**LegionNode − Digital Reliable Solutions**	**Duration: September-December'18**
Live Weburl:	**www.legionnode.com**	
Description:	• Automate the billing platform using WHMCS and integrate it with Django based script.	

- Provided the host solution at very cheap rate with OpenVZ Virtualization.
- Frame out the open community platform for digital support and digital solutions with clients at ease
- Reductant KVM Virialized Fail2Ban Servers for Billing Platform with payment gateway integrations.

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Project Title: **Vaticination − Heart Disease Prediction Using Machine Learning Duration: August-Dec'18**
Live Weburl: **www.vaticination.ga**
 Description: • Validated Various Classifiers on Public Data-Set and founded the best training Accuracy Classifier.
• . Setup the Google Cloud for Jupyter Server computations via dynamic user inputs.
• Developed the GUI using LAMP stack with zone mapping for user symptoms and profile management.
• Developed the client-side executable in Python with remote connectivity to Google's Database.

Project Title: **Jabber − Encrypted Client Chat Server Network**   **Duration: January-May'18**
Description: • Constructed secure Chat Box using C++, TCP/IP and IOCP technology and multithreading.
• Implemented algorithm RSA and Diffie-Hellman key exchange on public jabber chat server.
• Implemented SHA and padding it with digital signature of the encrypted message.
• Setup the VPS with VitualMin as server panel with configured network ports.

Project Title: **Interim - Academics Docket for Monitoring Faculty Schedule**   **Duration: Aug-Dec'17**
Description: • Formulated project using C and file handling.
• Produced algorithm for manipulating HTML & XML data in C from university's time-table portal.
• Implement Sockets for fetching the desired information from portal in interim server.

Project Title: **UPES − Tech Community, Dehradun**   **Duration:**
Live Weburl: **August-Dec'16 www.upestech.com**
Description: • Founded and Developed the University's Social Community Platform.
• Uses Community forum technology made it helpful for newbies and other old students.
• Implemented on LAMP stack with virtualized node on KVM and DNS on Cloudflare.
• Social Sharing of Question Papers and other modes of study resources for various branches.

Others:

Project Title	Live WebUrl	Description	Duration
Simplex − Chrome Extension	**https://chrome.google.com/ webstore/detail/simplex- search-direct-dow/pjbeoppcjalfpobcfcfcdnd bjdoeikkl?hl=en**	**Developed Extension in Pure PHP using Google's advance** queries manipulation for index search for various different content.	**Dec-Mar'16-18**
HungryPoint − Pizza Chain	**www.hungrypoint.in**	**Developed using WordPress CMS for frontend with PHP as backend for client & form handling.**	**Jan-Mar'18**
UPES ECELL - Chapter	**www.upesecell.com**	**Developed and maintained it's all live registrations of members and event updates and managed it's server administration.**	**Jan-Mar'18**
UPES ECELL - Android	**https://play.google.com/stor e/apps/details?id=com.upes. ecell**	**Developed ECell's official Application Using Ionic framework and push notifications using firebase.**	**Aug-Dec-'17**

Divyahimgiri − **Newspaper CMS-Based website**	https://divyahimgiri.com/	**Developed CMS-based newspaper website utilizing Wordpress with various plugin support.**	**Mar-June'17**
S.Cafe Boys Hostel − **Android**	https://play.google.com/stor e/apps/details?id=com.scafe. hostel	**Developed Hostel's Management Application for new student registration and for showing hostel room rates.**	**Jan-April'16**
Grind-Café Food Web Application	http://www.grind-cafe.com	**Developed Web Application with Email OTP & order tracking using PHP as backend and HTML as frontend.**	**Feb-April'16**
S.Cafe Boys Hostel	http://www.scafehostel.com	**Developed static frontend with integration as PayUmoney for payments and dynamic internet recharge system for students.**	**Dec-June'15 - 17**
UPES − WHRP Conference 2015-16	http://www.upes-wrhp.com	**Database handling IN SQL and mail automation system with static frontend in HTML.**	**Oct-Dec'15**
UPES − IEEE Web Application	http://www.upesieee.com	**Developing a Web application for IEEE Research proposals while maintaining their static web chapter website.**	**Oct'18- Continued**

PUBLICATIONS

Paper Title   **: An Interoperable Approach Fund Exchange between Digital E-Wallets via Single Sign On**
Conference Held : MTMI INTERNATIONAL CONFERENCE, INN EXPRESS DUBAI AIRPORT, DUBAI, UAE
Duration   **: Aug-Dec'17**
Description   **:** The paper discusses about single-sign on unified platform for users where multiple e-
       wallets can exchange funds in an interoperable manner while providing the end
       user a single platform for it's all daily-use transaction activities using REST framework and
       authentications done using UIDAI API.

Paper Title   **: Peer to Peer (P2P) Backup Service Using Cloud Based Private Tracker System**
Paper Type   **: Survey Paper**
Duration   **: Nov'18 - Continued**
Description   **:** The paper discusses about the backup system using private trackers in BitTorrent
       protocol where users can store their backup in an encrypted way to their highly available peer's extra
       storage space with some constraints maintaining the seed-peer ratio balance and allows the large
       backups with redundancy at zero cost.

ACADEMIC ACHIEVEMENTS/ EXTRA CURRICULAR ACTIVITIES

✔ Industrial Participation – held at **GURUKOO**L, Bangalore (2018).
✔ Web Development Head – **UPES IEEE** (2018)
✔ Participated in Turban Tying Competition – held at **UPES-CSI**, UPES Dehradun (2017).
✔ Technical Head – **UPES ECELL** (2017-18).
✔ Core Committee Member – **UPES ECELL** (2016-17).
✔ Linux Workshop Participation – **UPES CSI** (2016-17).
✔ Deal Lieutenant – **DesiDime** – Online Shopping India (2015-16).
✔ Topped 2nd position in Technical Debate organized during **CIT- CONCLAVE** 2015.
✔ Web Development Head – **UPES WHRP CONFERENCE** 2015

SOFTWARE SKILLS

- **Software's** : Android Studio, VMware Workstation, BurpSuite, WordPress, Handbrake, MobaXterm, Adobe Photoshop, Eclipse, MS Office, REST API, Cloud9 IDE
- **Operating System :** Linux (Distros – Ubuntu, Fedora, CentOS, Elementary), Windows
- **Server-Oriented** : cPanel - WHM, VirtualMin, ServerPilot, Plesk, Virtualizor, Roundcube Webmail, WHMCS
- **Bulletin Boards** : myBB, phpbb, Xenforo, Invision Board, vBulletin Board, Flarum

TECHNICAL SKILLS	SOFT SKILLS
☐ C ☐ Python/Django ☐ PHP ☐ SQL ☐ HTML/XML/CSS/JS/Bootstrap 3 ☐ AWS ☐ Microsoft Azure	☐ Team Player ☐ Quick Learner ☐ Flexible ☐ Analytical ☐ Relationship Manager ☐ Coping withPressure ☐ Keen attention to detail

PERSONAL DETAILS

Date of Birth	:	17 December
Category	:	General
Gender	:	Male
Nationality	:	Indian
Phone No.	:	+91-9602096010
Mobility	:	Ready to relocate anywhere in India and abroad.
Languages Known	:	English, Hindi, Punjabi

I declare that the details above are correct and true to the best of my knowledge.

KANWALJIT SINGH