

Kapil Gautam

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SUMMARY

An efficient **Computer Science graduate**, with **4+ years of professional experience**, **adaptive** to learn new skills and techniques. Aiming to leverage a proven knowledge of **real-time data**, **application development**, and **research and development** skills to build better software using agile development and get hands-on internship experience during **Summer/Fall 2020**.

EDUCATION

The University of Texas at Dallas Master of Science in Computer Science – GPA 3.78/4.0 • Erik Jonsson Scholarship Recipient	Richardson, Texas August 2019 - Present
Malaviya National Institute of Technology Bachelor of Technology in Information Technology – GPA 7.77/10.0	Jaipur, India July 2011 - April 2015

WORK EXPERIENCE AND AWARDS

Samsung Electronics R&D Center Lead Software Engineer	Noida, India July 2015 – July 2019
<ul style="list-style-type: none">Significant contribution to software for sensor chips varying for 10+ Qualcomm/Exynos chipsets.Awarded “Best Innovative Project” from 700 colleagues for developing a million-dollar saver feature.Attained “Professional Algorithm” coding level to join the 10% of 1500 eligible employees.Awarded “Best Project” from over 250 colleagues for implementing kernel driver and framework for chip.	

COMPUTER SKILLS

Languages	C, C++, Java, Python, Javascript, Angular VS
Databases	MySQL, SQL Server
Operating Systems	Windows 10/8/7, Ubuntu, Android
Programming Tools	Android Studio, Eclipse, Perforce, Git, AWS, Tableau

SELF PROJECTS

Geo-Encoding Addresses	Angular, NodeJS, Leaflet JS, Docker, AWS Beanstalk	January 2020
<ul style="list-style-type: none">Dockerize the Elastic search of Geo-encoding a given address and plot the nearest coordinates in the given radius using the Leaflet JS and Angular V8.		
Database Indexing – B+ Tree	C++	November 2019
<ul style="list-style-type: none">Implemented dynamic B+ tree indexing for text file while using only three 1KB memory blocks of data.		
Dump-state Mixer	Java, Android studio	March 2018 – May 2018
<ul style="list-style-type: none">Achieved micro-second accuracy in the mixed log buffers of android logcat and kernel timestamps of android dump state of smartphone sensors.		

WORK PROJECTS

Adaptive Brightness Solution	C++, Java, Android	January 2019 – March 2019
<ul style="list-style-type: none">Commercialized an idea in South West Asia region to manipulate brightness of smartphone screen using the front camera sensor.		
S-Play	C, C++, Java, Eclipse	August 2017 – October 2017
<ul style="list-style-type: none">Designed a tool in ‘Technovate’ hackathon to play existing android games by injecting sensor data from android smartphone onto a TV screen using gesture control with millisecond delay.		

ACTIVITIES

UTDevelopers at UTD, Lead Member	November 2019 - Present
CS Education and Outreach at UTD, Teaching Volunteer, Python Tutor	Sept. 2019 – December 2019
Corporate Social Responsibility at Samsung Electronics, Teaching Volunteer	Sept. 2017 – January 2019
SecondVendor.com e-commerce store, Co-Founder	July 2017 – October 2018
Training and Placement Cell at MNIT, Lead Student Coordinator	July 2014 – March 2015