Vaibhav Sharma

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Education
Boston University
Masters in Computer Science
Sept 2017 - Present
Delhi University
B.Tech in Computer Science
2013-2017

Programming
Python, Java, Angular-5, Go,
C++, C#, C

Technologies
OpenSource, Linux,Scraping
Framework,Flask,
MySQL/LiteSQL/MongoDB
DataBases, RESTful API,
Microsoft Azure, Data
Analytics

Summary

Computer Engineer and a Computer Science Graduate student at Boston University. Seeking a full time position starting January 2019. Good interpersonal and communication skills, a team player. Proficient in Python, Java, and SQL with four years of practical experience. Strong analytical skills and a quick learner with an ability to calmly handle pressure situations.

Experience

Jun - Aug 2018 — **Software Engineering Intern** — Boston, MA
Armored Things
• Devised flask based RESTful API to send data packets to a flask app that would create time sliced buckets of occupancy model.
• Configured disk images to enable packet capture and telemetry to Azure's IoT Hub upon boot. This included writing Linux scripts, managing memory and provisioning devices.
• Analysed Wi-Fi packets captured in a public space to comprehend occupancy and frames. Studied public datasets that predict the occupancy of a place. Researched about Twitter, Uber Movement, GDeltProject etc.

Jan - Jun 2018 — **Android Developer** — Boston, MA
BU Spark!
• Lead a team of software developers to develop an Android App designed to aid education for children in refugee camps.
• Employed SCRUM for agile development and contributed to team-led solutions, reviewing peer's code and completeness.

Projects

Jan - May 2018 — **Plato** — Boston, MA
Android Development
• Developed a mobile app which allows a user to track their app usage and set limits for the same.
• Designed and developed fragments for displaying categorical usage for Apps.
• Implemented a script to dynamically categorize android applications.

Jan 2018 — **Linux Driver** — Boston, MA
Keyboard Driver for Puppy Linux 2.6.33.2
• Devised a Kernel Object file to implement a keyboard device driver on Shared IRQ
• Designed the data pipeline for telemetry between IOCTL module and C program which would display the keystrokes.

Dec 2017 — **Twitter Scraping with TweePy and PyMongo** — Boston, MA
Keyboard Driver for Puppy Linux 2.6.33.2
• Analyzed realtime tweets in USA based on factors like, username, emojis, area wise density etc.
• Coded scripts to scrape real time tweets with filters on geographical coordinates and hashtags to be stored in a local MonoDB collection.

Sept - Oct 2017 — **PhotoShare** — Boston, MA
Image sharing Web Application
• Developed an image sharing web application using Flask and SQL.
• Worked on use cases such as User management, Album and Photo management, Top Users, *You may also like* etc.