Saket Mahajan

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EDUCATION

Santa Clara University **Santa Clara, US**
Master of Science in Computer Science *Sept 2018 - till date*
Coursework: Design Analysis and Algorithms, Advanced Operating Systems, Web Architecture and Protocols, Advanced Database System, Advanced Web Programming, Wireless and Multimedia Networks

Vellore Institute of Technology **Vellore, IN**
Bachelor of Technology in Computer Science *July 2014 - May 2018*
Coursework: Embedded Systems, Computer Networks, Software Engineering, Database systems, Data Warehousing and Mining, Human Computer Interaction, Object-Oriented Programming

KEY SKILLS

Programming Skills: C, C++, Java, Python, Shell, LATEX
Cloud: AWS, Google Cloud Platform, IBM Cloud
Web Development Skills: HTML, CSS, PHP, ReactJS, AngularJS, Ruby, Rails
Database: PostgreSQL, MySQL, MongoDB
Analytics: MATLAB, IBM SPSS Statistics, R Studio, Google Analytics, Bing Analytics
Tools: Apache Cordova, VS Code, Office 365, Adobe Dreamweaver, Android Studio, Cypress

EXPERIENCE

Software Engineer Intern **Infor500** *June 2019 - till date*
- Design and develop new web application using ReactJs, Typescript, GraphQL
- Develop Postgres SQL triggers, functions and procedures
- Team collaboration and task integration in the Agile methodology using Jira and Bitbucket
- Conducted Unit, Integration , E2E tests using Jest, Enzyme and Cypress
- Generated Golang functions on GCP Cloud Run for Anthos

Software Engineer Intern **hIoTron** *May 2017 - July 2017*
- Built an application for real-time data monitoring from Electric-Power Meter and Smart Locks
- Created a multi-purpose library by integrating libraries from Arduino UNO, Arduino MEGA, NodeMCU
- Tested the multi-purpose library on smart devices involved in home automation

PROJECTS

Increased efficiency in container deployments by mitigating cold starts *June 2019 - October 2019*
- Devised a system to address cold start in Serverless Computing by exploiting content similarity
- Implemented system based on peer-to-peer network, virtual file-system and content-addressable storage
- Project resulted in increased compute availability, and reduced storage requirement for the cloud provider

Chatbot Application *March 2019 - June 2019*
- Chat application aimed at answering personal questions about me
- Initially developed a chat application using AWS services like Lex, S3, Lambda
- Extended usage of ChatBot with the usage of Deep Learning and Facebook data

Smart Home Hub *Jan 2019 - March 2019*
- Created a Smart Home Hub using ESP32 microcontroller, LCD screen and proximity sensor
- Displays email, events, weather forecast and estimated time to arrival to your desired location on LCD display in addition to one's personal website
- Integrated with REST API of Google and OpenWeather to extract data such as Gmail, weather forecast, etc
- Developed Android, iOS app using PhoneGap framework to control proximity sensor

Secure Real-Time Vehicle Tracking *Oct 2018 - Dec 2018*
- Implemented a cloud application in IBM Bluemix for secure real-time vehicle GPS data transfer from vehicle to the monitoring system hosted in the cloud
- Built an Android mobile application to record and transmit data to IBM Bluemix