

Deepit Sapru

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EDUCATION:

Master of Science (MS) in Computer Science

University of Texas at Arlington, TX

May 2019

GPA: 3.7/4.0

Bachelor of Engineering (BE) in Computer Science

Visvesvaraya Technological University, Karnataka, India

May 2017

GPA: 3.8/4.0

SKILLS:

Programming: C++, Java, Python, JavaScript, SQL/PLSQL, Perl, Unix/Linux

Databases/Big Data: MySQL, Oracle, MongoDB, SQLite3, Hadoop, RDBMS

Web Technologies: HTML & CSS, JSON, Ajax, J2EE, PHP, AngularJS, NodeJS, D3.js

Cloud Services: AWS, Microsoft Azure, Google Cloud, Docker, Kubernetes

Tools: IntelliJ, GIT, Maven, SVN, Agile/Scrum, RESTful, UML, Design Patterns

PROFESSIONAL EXPERIENCE:

Software Engineer Intern

Oil & Natural Gas Corporation, Navi Mumbai, India

Jun 2016 – Aug 2016

- Created OpenGL ES application, capturing shallow subsoil structure. Effective processes for improving existing functionality. Participated in problem resolution and debugging activities in C++ applications. Created clean APIs for internal graphics tools and editors that support developing in lighting, shadows, and post effects.

Product Engineer

USHVA, Mumbai, India

Dec 2015 – Jun 2016

- Mobile application integration with Android APIs. Worked on SQL database structures and MVC design web interfaces. Redesigned mobile UI and implemented dynamic image sizing and support for multiple devices.
- Participated in fast-paced development cycles, i.e. complete Software Development Life Cycle (SDLC) for proper analysis, development, testing, deployment and enhancement.

ACADEMIC PROJECTS:

Car Rental System Mobile Application (Android, Firebase, SQLite)

Aug 2018 – Dec 2018

- Designing and developing a car rental system application with a team, implementing Agile methodology.
- Process involves requirement gathering, design, code, unit testing, system testing, deployment and monitoring.

P2P File Sharing Mobile Application (Android, Wi-Fi Direct)

Jun 2018 – Aug 2018

- Developed a Wi-Fi Direct application with a team, implementing Agile methodology.
- Performs the task of listing nearby devices, manage connections, sending multiple files and checking for peers.

File Storage System & Course Registration Portal on Cloud (Azure, AWS, Bluemix, Python)

Jan 2018 – May 2018

- Implemented web application for storage and retrieval of data using EC2 and containers like S3 on cloud service provider
- Effective data analysis with faster response rate achieved using in-memory cache systems like Memcached and ensured availability on demand with Autoscaling (10k requests) & load balancing policies (JMeter testing).

Analysis of large dataset using MapReduce (Hadoop, Java, Python)

Mar 2018 – May 2018

- Implemented Hadoop MapReduce to distribute large datasets of earthquakes into multiple clusters to perform statistical analysis of real time data. Data visualization performed using D3.js

Weather Client Application (XML, WSDL, Java, REST)

Oct 2017 – Dec 2017

- Designed a web application that connects to the National Weather Service using REST and display current weather conditions with location detection using latitude and longitude coordinates.

Veterinarian/Animal Hospital Full-Stack Web Application (HTML, CSS, JavaScript, PHP, MySQL)

Aug 2017 – Dec 2017

- Developed a full stack web application, with a customized content management system with open-source technologies like HTML5, PHP7, JavaScript utilizing MySQL DB.

Text Mining, Classification, Clustering, Normalization of large dataset (Python, Sklearn, TensorFlow)

Aug 2017 – Dec 2017

- Implemented Data Mining algorithms for classification and accurately predict the target class for each of the data files.
- Improving accuracy by performing 10-fold stratified cross validation, using neural networks in the process.

ACHIEVEMENTS:

- Earned early promotion at USHVA for efforts on optimization and enhancement of the overall task assigned.

GRADUATE COURSEWORK:

Distributed Systems, Design & Analysis of Algorithms, Web Data Management, Data Mining, Cloud Computing, Software Engineering, Software Testing, Software Metrics & Quality Engineering, Wireless Networks, Secure Programming.