Mehul Shinde

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Objective

Seeking a position as a Computer/Software Engineering Intern appropriating exceptional engineering skills, abilities, and experiences gained through relevant education, internships and projects to offer to the ongoing success of the organization.

Education

Iowa State University B.S. Computer Engineering, May 2019.
New York University M.S. Computing, Entrepreneurship Innovation May 2021.

Skills

- Operating Systems: Linux, Windows, ROS.
- Web Development: JavaScript, HTML, XML, CSS, Node, AngularJS, React, Polymer
- Programming Languages: Java, Python, C, C#, JSON, &.NET
- Mobile Development: iOS, Android, Ionic
- Version Control: Git, Subversion
- Database: SQL, JDBC, Neo4J

Work Experience

Application Developer, College of Veterinary Medicine, Iowa State University, Spring 2019

- Developed and deployed a cross-platform mobile app for students studying Canine Anatomy.
- Implemented file caching and storage system to cache files and interactive modules.
  ```
  Ionic, HTML, TypeScript, Angular, Node, SCSS, AJAX, JQUERY
  ```

Research Assistant-Computer Engineering Department, Iowa State University, Fall 2018

- Developed a solution framework to enable lineage aware data management.
  ```
  Spark, Gem5, Pig
  ```

Information Technology Intern- FBL Financials Inc., Fall 2018

- Developed and deployed a client facing cross-platform mobile application in an Agile based team setting
- Implemented security check procedures in the account authentication part of the mobile app.
  ```
  JavaScript, AngularJS, Ionic, NodeJS, Sharepoint, C#, .NET
  ```

Software Development Intern- RenterGate, Summer 2018

- Developed a rental-property management software following Agile practices in for of a web application.
- Programmed announcement sorting feature that would sort users as desired by the admin to publish an announcement to.
- Designed and implemented a message chat feature in the tenant and landlord portal.
  ```
  NodeJS, Polymer, HTML, Firebase
  ```

Android Developer- Agronomy Department, Iowa State University, Fall 2017

- Developed and deployed an android application, SmartFarmer, used by farmers to track the expenses and collect data from the app for research.
- Designed and developed local and remote sets of SQL databases, which records data even when offline.
- Wrote a RESTful service for the app to communicate with Apache Tomcat server hosted on AWS.
  ```
  Java, SQL, SQLite
  ```

Software Development Intern- NREM Department, Iowa State University, Summer 2017

- Developed and deployed a version 3.0 of 'PEWI' an open source simulation web application for watershed management.
- Programmed a file integration feature to make files from outdated versions compatible with the current version.
- Implemented a report generation function for a customizable report of the users' simulation.
  ```
  JavaScript, HTML, CSS, JSON
  ```

Research Assistant-IMSE Department, Iowa State University, Spring 2017 (sites.google.com/site/ifhnetwork)

- Developed and deployed a mobile application that helped participants of local food hub network to track products in delivery from producers.
- Wrote an algorithm to generate node to node routing of the flow of products in a supply chain from available data.
  ```
  JavaScript, GoogleApps Script, ArcGIS
  ```

Projects

1. **Drone Simulator (Team Lead)**: Team lead for development of a drone simulator web-application using ROS, Gazebo, ReactJS, Blender/Python and C++.
2. **Data base handling script for a food hub in Michigan**: Wrote back-end script to automate order list and customer information management using Google Apps Script for Sprout (a food hub), saving upto 2 hours of the managers' time for every order cycle.
3. **Android Game development (Honorable mention)**: Developed a multiplayer 2d android game in a team of 4 as a part of software development project course. Acted as the Technical Lead of the team. Used Java, XML, libGDx, PHP and MySQL to handle server client connections, database and game play.
4. **Command line in chat box, HackISU Fall 2016 (Winners):** Used GForge API to implement a command line feature to perform any operations which could be done on the UI. Used Python (Learned on the spot).

Leadership and Community activities

- Cardinal Key Honor 2019 (Highest Honor at Iowa State University).
- College of Engineering Dean's List Fall 2018.
- President- Indian Students' Association (2nd largest student organization at ISU, 400 participants).