Mehul Shinde

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Objective

To gain professional and practical experience in the field of computer engineering in form of internship or co-op opportunity for summer'18.

Education

Bachelor of Science | Spring'19 | Iowa State University

Major: Computer Engineering | GPA : 3.22

Skills

Programming: Java (proficient), Java Script, C, C++ HTML, CSS, Python, PHP, C# and git.

Communication: Experienced in addressing audience of over 400 in seminars. Fluent in Hindi & Marathi (Indian Languages).

Experience

Software Development Intern- NREM Department, Iowa State University Summer'17(www.nrem.iastate.edu/pewi)

- Developed and deployed a version 3.0 of 'PEWI' an open source simulation web application for watershed management.
- Designed and coded a file integration feature to make files from outdated versions compatible with most recent version
- Implemented a report generation function which produced a customizable report for the users of the simulation as a printable pdf
- Wrote algorithm to optimize data from over 2 million watershed-data combinations

Research Assistant- IMSE Department, Iowa State University Spring'17(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 products in a supply chain from available data so that new producers and food hubs could join the network and use the app.
- Used JavaScript based Google Apps Script to write data handling program that updated the app in real time.
- Programmed the app to extract csv files and use the extracted data to generate a product routing.

Tutor- Academic Success Center Spring'16- Spring'17

Tutored Introduction to Object Oriented Programming, Problem Solving using C, Calculus 2 and Digital Logics to several groups of 5 students each.

Projects

1. **Data base handling script for a food hub in Michigan:** Wrote back-end script to manage order list and handle product data and customer information using Google Apps Script for a food hub in Michigan. The script now saves about 2 hours of the managers' time for every order cycle.
2. **Embedded systems Mars rover project:** Programmed an autonomous robot using embedded C (ARM processor) in a team. Designed and coded a GUI in C# for controlling the robot. Also set-up server-client connection between the GUI and the robot.
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'16(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).
5. **Web application based on Life-style search engine, HackISU Fall'15:** Developed a web application using Google Maps API to suggest places based on your lifestyle.

Leadership and Community activities

- President, Indian Students' Association (2nd largest student organization at ISU).
- Event Coordinator, International Students Council
- Active member of Mensa, India chapter.
- Active member of IEEE and CSE club on campus.
- Member of National Society Of Colligate Scholars.