Pranav Anandarao

CURRENT ADDRESS

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PERMANENT ADDRESS

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OBJECTIVE

Obtain an internship in the field of Software Development or Computer Engineering.

EDUCATION

Purdue University, West Lafayette, IN   May 2022

Bachelor of Science in Computer Engineering with Honors, Minor in Mathematics

Dean's List, Semester Honors

Relevant Coursework: Computer Science, Data Science, Multivariate Calculus, Linear Algebra, Ordinary Differential Equations, Circuit Analysis, Digital Systems, Data Structures, Algorithms

Technical Skills: C, Python, Angular, React, Java, JavaScript, SystemVerilog, Assembly, SQL, MATLAB, ReactJS, Bash, R

RELEVANT EXPERIENCE

Teaching Assistant, Purdue University   Fall 2020 – Present

- Employed as a Teaching Assistant for ENGR 161/162, Honors Introduction to Innovation and the Physical Science of Engineering Design, and ECE 270, Introduction to Digital System Design.
- Hold weekly one-on-one office hours to help students better understand concepts taught in class.
- Grade student assignments, projects, exams in a timely and fair manner, and implement automatic grading scripts.
- Maintain and update custom software on Raspberry Pis and add new functionality as needed using Python and Bash Scripts.

Data Mine Corporate Partners, Purdue University   Fall 2020 – Present

Data Engineer, Merck

- Tasked with designing a method to easily gather biometric data from patients involved in clinical trials.
- Worked on data engineering for the project, which included data acquisition and transfer to storage.
- Used the Fitbit API along with Python, Selenium, and Cron jobs to automate the data engineering process, along with Agile development techniques for project management.

Founder & Software Developer, Develup   Fall 2020 – Present

- Led a team of students in developing a web application to facilitate partnerships between local community organizations.
- Managed software development for the project, including project planning and work distribution.
- Designed a web site using an Angular frontend and Firebase backend for data management, hosting, and authentication.

Hackathons, VandyHacks, BoilerMake, HackTX   Fall 2019 – Present

- Participated in 36-hour developer competitions to create useful applications and software.
- Utilized different web frameworks such as ReactJS along with machine learning and computer vision libraries such as TensorFlow and OpenCV.
- Won award for best use of MongoDB at VandyHacks.

Data Science, Purdue Computing Challenge Day   March, October 2020

- Competed in 7-hour long computing competitions on topics such as forestry and farming.
- Tasks included cleaning and compressing the data using high performance computing equipment, along with utilizing multiple different data analysis and visualization techniques.
- Used Python and R for data analysis, along with Leaflet.js and Chart.js for visualizations.
- Won 2nd place in March and 1st in October.

Mayo Clinic High School Mentorship, John Marshall High School   Spring 2019

Advanced Analytics Mentee, Mayo Clinic

- Worked with the Advanced Analytics team in Mayo Clinic Information Technology on utilizing machine learning algorithms in health care applications.
- Designed natural language processing software to compare documents for clinical applications and devised test cases for software in development using Java and Groovy.