

Ainesh Sootha

asootha@purdue.edu ❖ (765) 701-0549 ❖ <https://aineshsootha.github.io/>

WORK EXPERIENCE

Habitat For Humanity

Jan. 2020 – May. 2020

Software Engineering Design Lead - EPICS

W. Lafayette, IN

- Developed and Designed an inventory management web-app for Habitat For Humanity Lafayette and EPICS.
- Written in php, HTML/CSS, JS and MySQL.
- Actively led a team of students to develop the app, gain regular feedback and add updated features.
- Maintained constant contact with the project partners, adjusting the app to their requirements.

EPICS – Deaf Kids Code

Aug. 2019 – Dec 2019

Design Lead

W. Lafayette, IN

- Built products – including machine(s) for a not-for-profit venture based in Jamaica (Deaf Can! Coffee)
- Led a team of students as design lead, worked with client to build a cost-effective coffee bean huller for the hard of hearing community.

Purdue Electric Racing

Sept 2019 – Oct 2019

Student Software Developer

W. Lafayette, IN

- Developed software for the Purdue Electric Racing team.
- Worked on embedded systems, vehicle dashboard, code refactoring.

Google Code-in

2017 - 2018

Open-Source Contributor

Remote

- Contributed to different open-source organizations, including FOSSASIA, SCoRE, CCExtractor, Red Hen labs.

PROJECTS

Recommendation System

Machine Learning/ Data Science/ Software development

- Book/ Movie recommendation system that uses ML algorithms / OMDb + GoodReads APIs to find similar items using textual analysis.
- Developed using Python (Flask, pandas), HTML5/CSS3/JS.
- <https://github.com/AineshSootha/Recommender>

Image Processing System

Software development / Computer Vision

- Developed Image Processing Algorithms, including grayscale, rotation, blur (without OpenCV functions).
- Developed using Python (NumPy, matplotlib).
- <https://github.com/AineshSootha/ImageProcessingPython>

EDUCATION

Purdue University – GPA: 4.0/4.0

Graduation May 2023

BS, Computer Engineering

West Lafayette, IN

- **Dean's List, Semester Honors**
- EPICS Learning Community
- Data Mine Learning Community (Corporate Partners Program)

SKILLS

- **Programming:** C++, Python, C, MATLAB/Octave
- **Web Development:** php, flask, MySQL, HTML/CSS/JS
- **Other Skills:** Machine Learning, Data Science, Graphic Design