Ainesh Sootha

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WORK EXPERIENCE

EPICS – Deaf Kids Code   **Aug. 2019 – Dec 2019**
Design Lead   *West 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   **Aug 2019 – Dec 2019**
Student Software Developer   *West Lafayette, IN*
- Developed software for the Purdue Electric Racing team
- Worked on embedded systems, vehicle dashboard, code refactoring.

Google Code-in   **2017 - 2018**
Student Contributor   *Remote*
- Developed different products (websites, logos) for open source organizations, including FOSSASIA, SCoRE, CCExtractor, Red Hen labs.

THSVK Events   **2017 – 2018**
IT+ Design Lead   *New Delhi, India*
- Led the development of products for multiple events hosted by The Heritage School.
- Designed websites, logos, banners, managed teams for events.

PROJECTS

Recommendation System
Machine Learning/ Data Science/ Software development
- Book/ Movie recommendation system that uses datasets / OMDb + GoodReads APIs to find similar items.
- Uses the Cosine Similarity algorithm to find similar books/ movies.
- Developed using Python (Flask, pandas), HTML5/CSS3/JS
- https://aineshsootha.pythonanywhere.com (live)
- https://github.com/AineshSootha/Recommender

Image Processing System
Software development
- Image Processing, including grayscale, rotation, blur without OpenCV
- Developed using Python (NumPy, matplotlib)
- https://github.com/AineshSootha/ImageProcessingPython

Collegely
Web Development
- College applications helper web app for international students.
- Developed using php/MySQL, HTML5/CSS3/JS.
- https://github.com/AineshSootha/collegely

Youth!ndia
Web Development
- Forum-based web app to discuss issues faced by students in India
- Developed using php/MySQL, HTML5/CSS3/JS.
- https://github.com/AineshSootha/youthindia

EDUCATION

Purdue University – GPA: 4.0/4.0   **May, 2023**
BS, Computer Engineering   *West Lafayette, IN*
- Dean's List, EPICS learning Community

SKILLS

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