PRATHAM VADHULAS

Indianapolis, IN • E-mail • 317-360-3209 • **GitHub** • **Website**

SOFTWARE DEVELOPER

Current Computer Science student offering a solid academic background in Software combined with work experience in Software Development. Consistently recognized for technical troubleshooting skills and used to resolve challenging client issues rapidly and cost-effectively. Agile at learning and mastering new technology. Equally successful in both team and self-directed goals. Proficient in various computer systems, languages, tools, and testing methodologies. Eager to put my knowledge to use and continue developing skills in a Software Development Intern position during Summer 2023.

RELEVANT SKILLS

Programming Skills	Python, C, C++, R, Max MSP, JavaScript, GLSL, NumPy
Operating Systems	Windows, Ubuntu, Linux/ Unix, MacOS
Database Systems	Mongo DB, MySQL, SQLite
Web Technologies	HTML/ CSS, ReactJs, NodeJs, ThreeJs, Django, WebGL
Other	Git, Multithreading, NLP, Digital Signal Processing (DSP), Ambisonics, JUCE

EDUCATION

Bachelors in computer science   Anticipated Graduation December 2024
IUPUI, Indianapolis, IN
GPA: 3.8

PERSONAL PROJECTS (MORE ON GITHUB)

Piano Sequencer
A Web App that lets users interact with a piano and construct melodies.
- Built using ReactJs.
- Features the ToneJs library.
- Allows users to load MIDI files and download constructed melodies as MIDI.

EXPERIENCE

Automation Engineer (Intern)   Jan-Jun 2022
Vaihub, Inc.
- Language used, Python
- Automated PDF parsing using Natural Language Processing.
- PDF Documents included brochures for industrial machinery.
- Work with a team of three to develop different aspects of needed software.

INTERESTS & HOBBIES

- Photo & Video: I use software such as Photoshop, Davinci Resolve, and Final Cut Pro for photography and video production hobbies. I have a YouTube channel where I showcase the knowledge I have gained about music.
- Music: I have learned a lot about Audio Engineering and Mixing. I compose music using Digital Audio Workstations like Ableton Live and FL Studio.
- Miscellaneous: Hiking & Rock Climbing, Wood Working, 3D Modelling & 3D Printing, and PC building.