LINGESS RAJOO

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EDUCATION

Purdue University West Lafayette, IN
Bachelor of Science in Computer Engineering May 2019
Certificate in Entrepreneurship & Innovation

TECHNICAL SKILLS

Programming Languages:
Fluent: C, C++, Python ***Proficient:*** HTML, CSS, JavaScript, PHP, Bash, Java ***Familiar:*** Perl, Verilog, Ruby, C#

Frameworks: Django, Flask, ReactJS, Node.JS, Bootstrap, Ruby on Rails
Software Tools: Git, Eclipse, PostgreSQL, OpenCV, AutoML, AWS, Docker

EXPERIENCE

Spiria – Preliminary Prediction of Parkinson's (ECE477 Senior Design) January 2019 – Present
Project Leader

- Designing a glove to measure tremor frequency and utilizing an infrared pen to conduct spiral tests
- Deploying the backend of the website using a Django framework and integrated a PostgreSQL database
- Building a Python REST API to store incoming user data and dynamically update the frontend

PiggyBank – Financial Awareness Web App (Uncommon Hackathon) January 2019
Full Stack Engineer

- Created a game interface using Java where the user engaged in quizzes, news articles or an eWallet
- Applied the News API to propagate financial articles based on the user's preferences

Earlybird Alert System – Caseworker Notification System (EPICS) June 2018 – December 2018
Software Lead

- Designed the frontend using Bootstrap to show real-time notifications about the client using SMS API
- Built the backend using PHP to include user authentication and notification settings
- Integrated a MySQL database to store data of all clients and view a drop down list of the recent clients

Fliegen – Professional Networking Web App (BoilerMake VI Hackathon) October 2018
Backend Engineer

- Implemented Node.JS as the backend server to facilitate messaging between students and recruiters
- Executed communication between the frontend and backend using JSON data formats

LEADERSHIP

Teaching Assistant - Purdue University August 2017 – December 2018
ECE 362 – Microprocessor Systems and Interfacing

- Assisted with interfacing a microcontroller to utilize peripherals such as SPI, I2C and USART

ECE 270 – Introduction to Digital System Design

- Programmed boards using Verilog to implement combinational, sequential and computer logic circuits

ECE 207 – Electronic Measurement Techniques

- Troubleshooted electronic circuits and designing operational amplifier circuits