Mohammed Ahamed

✉ m.ahamedbusiness@gmail.com   ☐ 07447 465179   🌐 github.com/moeeahmed   🌐 mohammedahamed.com

Profile

As a Systems Engineer with over 4+ years of experience in the field, I have developed a strong foundation in troubleshooting and problem-solving. I have a passion for software development and have completed several courses and projects in the field. I am now looking to make a career switch and fully focus on software development.

Relevant Experience

Present | Jaguar Land Rover – Voice Recognition

- Successfully contributing to the development and implementation of the current and future Speech roadmap for the company's products
- Ensuring that all technical aspects are covered in the hardware and software components that need interaction with the Speech Service Layer
- Defining message sequence diagrams between different software layers
- Validating and verifying HMI requirements against development software on test rigs and various vehicle lines by completing Design Validation Tests
- Identifying and troubleshooting defects through root cause analysis and championing the delivery of fixes in subsequent software baselines.
- Conduction onsite and offsite vehicle tests and signoffs for new feature delivery.

2020 | Jaguar Land Rover - ADAS

- Improved the accuracy and robustness of the computer vision system through extensive testing and validation on various datasets.
- Demonstrated strong aptitude for learning and mastering new technologies (Python) and various ML libraries and frameworks related to computer vision and machine learning
- Took existing open-source algorithms and modified them to process collected from LiDAR sensors and output visual
- Contributed to the development of industry standards and best practices in the use of computer vision for autonomous vehicles.

Education & Training

2023 | AWS Cloud Practitioner

2020 | APM Project Management Qualification

2015-2018 | University of Birmingham

Bachelor of Engineering Computer Systems Engineering

Technical Skills

Programming Languages
HTML5, CSS3, Javascript (ES6+), Typescript, Python, Java, C programming

Frameworks
Nodejs, ExpressJS, Jest

Tools/ Platforms
Git, Github, Jira, Parcel, Heroku, AWS

Relevant Projects

Project: Built a RESTful API for a Recipe Sharing Website

Utilized Mongoose, MongoDB, Node.js, Express.js, and JavaScript to design and implement endpoints for

Key Responsibilities:
- Designed the database schema and implemented CRUD operations using Mongoose and MongoDB
- Created endpoints for user authentication and authorization using JSON web tokens
- Developed unit and integration tests to ensure the API was reliable and bug-free
- Designed and developed the front-end to integrate the API with the website using HTML5, CSS3, and JavaScript

Project: A lightweight web-app aggregator, for Fiat and Crypto Currency

Worked independently to create a lightweight web-app aggregator for fiat and crypto currency exchange rates.

Key Responsibilities:
- Designed and implemented the web-app's functionality
- Designed and developed the front-end to display the data in an intuitive UI
- Configured the AWS infrastructure to create a system that gets real-time data and stores it in a DB

Interests

Football, Videography, Photography, Content-editing, Drones, Travelling