DABIR HASAN RIZVI

Software Developer
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PROFESSIONAL SUMMARY

Result-driven Software Developer with strong academic credentials and over a year of experience working in agile teams to develop web-based applications. Proficient in object-oriented programming with a strong research interest in computer vision. Technologically savvy and a drive to excel, I am eager to contribute effectively to the organisation's success.

EMPLOYMENT HISTORY

Junior Web Developer, Net World Sports, Wrexham

07/2022 - 06/2023

- Built responsive and reusable Vue.js front-end components, optimising performance within a micro-service architecture.
- Enhanced user experience for the company's blog website, collaborating with content and SEO teams to implement responsive design.
- Streamlined workflows across departments by creating a Chrome extension, integrating APIs to address pain points and increase productivity.
- Employed agile methodology to migrate 40+ e-commerce stores from Magento 1 to Magento 2, improving website performance and customer experience.
- Tools and Technologies used: JavaScript, Gulp, PHP, jQuery, PostgreSQL, Vue.Js, Magento 2, WordPress, Nginx, HTML, CSS, Sass.

Java Programmer (Internship) , Racks & Rollers | Storage Technologies & Automation, Bengaluru

01/2020 - 07/2020

- Developed a scalable Pick-to-light system GUI, aligning with technical standard.
- Engaged in the complete software development life cycle, encompassing performance analysis, design, development, and testing, to deliver an optimal user experience and ideal functionality.
- Leveraged Scrum and Test-Driven Development (TDD) to streamline the development process and ensure high-quality software delivery.

EDUCATION

MSc. Advanced Computer Science (with Integrated Year in Industry), Aberystwyth University, Aberystwyth, United Kingdom

09/2021 - 09/2023

Distinction (Expected)

B.E in Electronics and Communication Engineering, CMR Institute of Technology, Bengaluru, India

08/2016 - 08/2020

Second Class Honors

SKILLS

- JavaScript
- Java
- Python
- C/C++
- C#
- PHP
- HTML/CSS
- Vue.Js

.NET

PostgreSQL

MongoDB

MySQL

Artificial Intelligence

Google Cloud Platform

Git

Communication

Adaptability

Jira

Scrum

Docker

LINKS

Portfolio

LinkedIn

Github

COURSES

Vue - The Complete Guide (incl. Router & Composition API), Udemy

07/2022 - 08/2022

Machine Learning, Stanford Online (Coursera)

05/2021 - 07/2021

Game Design and Development Specialization, Michigan State University (Coursera)

08/2020 - 07/2021

Introduction to C# Programming and Unity, University of Colorado (Coursera)

02/2021 - 03/2021

Deep Learning Specialization, DeepLearning.AI (Coursera)

03/2021 - 09/2021

PROJECTS UNDERTAKEN

Robot Movement Automation with Computer Vision.

Developed a Robot Movement Automation System using Computer Vision and Digital Image Processing, featuring SIFT algorithm implementation via OpenCV, Unity 3D integration with Vuforia SDK for AR-like feature detection, and Arduino IDE for motor control, enabling efficient object tracking and following within a Wi-Fi network range.

Prediction of Parking areas availability from parking dataset using AI/ML Models.

Implemented AI/ML for parking availability prediction using Santander's on-street sensors. Applied LSTM and Random Forest models, optimising with EDA, data visualization, cleaning, and feature engineering. Aims to enhance urban mobility.

Prediction of likelihood of Blood-Brain Barrier (BBB) penetration for a chemical compound

Secured 1st place in Aberystwyth University's Kaggle challenge, dominating with a 90.603% accuracy using Support Vector Machines. Excelled in predicting Blood-Brain Barrier penetration, showcasing expertise in feature extraction and model training.

Detecting cardiac arrhythmia using single lead ECG recordings (Kaggle Challenge – Ranked 5th in the competition).

Achieved an accuracy of 82.947% in a Kaggle challenge, emphasising cardiac arrhythmia classification using the PhysioNet Computing in Cardiology Challenge 2017 dataset. Employed random forest and CNN for pattern detection.