Praharsh R Dubey

Email: praharsh.dubey05@gmail.com | Mob: 07769003187 | Address: Glasgow, UK | GitHub | LinkedIn | Portfolio

SUMMARY

Highly motivated Software Developer with an MSc in Information Technology from the University of Glasgow and experience in AI application development, IoT systems, and backend game development. Proven ability in leading projects, optimizing performance, and enhancing productivity. Skilled in Python, Java, Django, and JavaScript, with a strong foundation in algorithms, data structures, and internet technology. Actively seeking opportunities to leverage my technical expertise and project management skills in dynamic and challenging software development roles.

SKILLS & TECHNOLOGIES

Programming Languages: Python, Java, JavaScript, HTML, CSS.
Frameworks and Modules: Django, React, SCSS, Bootstrap, AJAX, jQuery, SQL, Git, GitHub, GitLab, JIRA, Trello, Pytest, NumPy.

EDUCATION

Master of Science (MSc) - Information Technology, 2:1 (Merit) | University of Glasgow, UK   2022 – 2023
- **Modules:** Advanced Programming (**1st**), Algorithms and Data Structures (**1st**), Internet Technology (**1st**).
- **Thesis:** ExpenSense: An automated expense management application for Small and Medium-Scale Enterprises (SMEs).

Bachelor of Technology - Electronics & Communication Engineering, 1st | Manipal University Jaipur, India   2016 – 2020
- **Modules:** Programming in C, Embedded and Real Time Operating Systems, Microprocessors and Microcontrollers.
- **Thesis:** A Reliable Geographic Routing Protocol Design for Cognitive Vehicular ad-hoc Network.

WORK EXPERIENCE

Project Management Lead | Zummit Infolabs | Bengaluru, India   December 2021 – May 2022
- Spearheaded the development of AI API marketplace featuring **~45** use cases leading to an investment opportunity of **£2.2 million**.
- Managed smooth migration of AI API marketplace backend from Django to FastAPI, resulting in a **10%** increase in latency.
- Designed tailored learning paths for upskilling of **20** team members, leading to **7%** increase in productivity.

Scrum Master | Zummit Infolabs | Bengaluru, India   August 2021 – November 2021
- Launched webinars on Reinforcement Learning and Racism/Terrorism Detection capabilities which attracted **3** new clients.
- Prepared **80+** sprint reports and presentations for clients.
- Conducted industry analysis to identify development in Machine Learning and Deep Learning for clients, which increased average revenue by **9%**.

IoT Developer – Intern | Golcha Group Pvt. Ltd. | Jaipur, India   December 2020 – July 2021
- Delivered an Automated RF-ID based fuel management system with ERP integration, reducing fuel wastage by **10%**.
- Implemented a highly accurate LiDAR system using Intel's Open3D library with Python and Embedded C, cutting weighbridge maintenance and operation by **20%**.

PROJECTS

ExpenSense | Python, Django, HTML, CSS, JavaScript, Bootstrap, AJAX | Project Link   June 2023 – August 2023
- **Goal:** Test Driven Development of an automated web application tailored for Small and Medium-Scale Enterprises to effectively managing employee expenses.
- Streamlined data processing operations by leveraging **Optical Character Recognition** and orchestrating a **customisable approval engine**, resulting in **60%** reduction in processing time of an expense compared to industry standards.
- Innovated a robust **fraud prevention** mechanism by extracting and cross-referencing signatures from receipt images using Computer Vision and Image Processing algorithms.

Duelyst2: Backend Game Development | Java | Project Link   January 2023 – March 2023
- **Goal:** Behaviour Driven Development of the backend logic of a tactical card game involving implementation of diverse sets of rules and special abilities for various units on the board.
- Successfully managed a multifaceted role, encompassing development and design of **intelligent computer opponent**, code reviews, conflict resolution, development direction, and comprehensive project documentation.
- Led a collaborative and cross functional team of **5** developers to drive efficient implementation, resulting in **98%** average story points completion using agile methodologies.

ACHIEVEMENTS

- Ranked **2nd** out of 50 participants in SAS Automation challenge in CODE OLYMPICS 2023.
- Presented a **paper** in international conference on Advanced Machine Learning Technologies and Applications.
- **Lead Event Management:** Led a **50** member team at TEDx Manipal University Jaipur achieving a **9/10** satisfaction score.
- **General Secretary** of the Electronics club: Collaborated with external experts to conduct Robotics and AI workshops, boosting club enrolment by **30%**.

Personal Interests / Hobbies: Formula 1, Anime and Hiking.