

Praharsh R Dubey

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SUMMARY

Highly motivated Software Developer with an MSc in Information Technology from the University of Glasgow, experienced in AI application development, IoT systems, and backend game development. Skilled in Python, Java, Django, and JavaScript, with a strong foundation in algorithms, data structures, and internet technology. Proven ability in creating innovative and scalable services, solving complex problems, and managing ambiguity in dynamic agile environments. Passionate about leveraging cutting-edge technology to develop industry-defining projects. Actively seeking a software development role to innovate and build high-quality software solutions.

SKILLS & TECHNOLOGIES

Programming Languages: Python, Java, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: Django, jQuery, AJAX, React, Next.js, Node.js, Bootstrap, Material UI

Tools & Platforms: Firebase, AWS (RDS, EC2), PostgreSQL, Cloud Firestore (NoSQL), Git, Jira, Trello, Clickup

Testing & Debugging: Pytest, Jest, Test-Driven Development (TDD), Behaviour-Driven Development (BDD)

WORK EXPERIENCE

Software Developer Intern | *Radical AI, Remote*

July 2024 – Present

- Developed a comprehensive multi-step onboarding workflow for new users, utilizing Next.js with React to create an intuitive frontend interface, and implemented serverless Firebase functions with Cloud Storage using Node.js.
- Developed Quantum Bot, a chat application using Firebase functions for real-time interactions.
- Created CosmoChat UI, a user interface for chat applications using the OpenAI API and React, designed to answer as a Scots.

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% decrease 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 developments 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%.

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

PROJECTS

ExpenSense | *Python, Django, HTML, CSS, JavaScript, Bootstrap, AJAX* | [Project Link](#)

June 2023 – August 2023

- Behaviour Driven Development of an automated web application tailored for SMEs to manage employee expenses.
- Streamlined data processing operations with OCR, reducing processing time by 60% compared to industry standards.
- Innovated a robust fraud prevention mechanism using Computer Vision and Image Processing algorithms.

Duelyst2: Backend Game Development | *Java* | [Project Link](#)

January 2023 – March 2023

- Behaviour Driven Development of the backend logic of a tactical card game.
- Developed intelligent computer opponent, conducted code reviews, and managed project documentation.
- Led a team of 5 developers, achieving 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 an international conference on Advanced Machine Learning Technologies and Applications.
- Led a 50-member team at TEDx Manipal University Jaipur achieving a 9/10 satisfaction score.
- General Secretary of the Electronics club, boosting club enrolment by 30% through Robotics and AI workshops.

Personal Interests / Hobbies: Formula 1, Anime, Hiking