Praharsh R Dubey

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SUMMARY

Results-driven Master's graduate with a passion for software development, equipped with strong problem-solving and interpersonal skills. Adept at collaborating with cross-functional teams to drive digital transformation. Seeking a full-time opportunity to apply my technical expertise and contribute to innovative projects in a dynamic work environment.

SKILLS & TECHNOLOGIES

Programming Languages: Python, Java, JavaScript.

Other Technologies: Django, HTML, CSS, SCSS, Bootstrap, AJAX, jQuery, SQL, Git, GitHub, GitLab, JIRA, Trello.

EDUCATION

University of Glasgow, UK   **September 2022 – September 2023**

Master of Science (MSc) - Information Technology (Grade: Merit)

Thesis: ExpenSense: An automated expense management application for Small and Medium-Scale Enterprises (SMEs).

Manipal University Jaipur, India   **July 2016 – June 2020**

Bachelor of Technology - Electronics & Communication Engineering (Grade: First)

Thesis: A reliable geographic routing protocol design for cognitive vehicular ad-hoc network.

WORK EXPERIENCE

Zummit Infolabs, India

Scrum Master   **August 2021 – November 2021**

Project Management Lead   **December 2021 – May 2022**

- Led team to develop and launch AI API marketplace featuring 45 applications, including Prostate Cancer Detection and S&P 500 Sentiment Analysis, showcasing leadership and technical expertise.
- Managed smooth migration of AI API marketplace infrastructure from Django to FastAPI, demonstrating strategic planning and technical expertise for enhanced performance and scalability.
- Launched educational webinars on topics like Reinforcement Learning and Racism/Terrorism Detection, emphasizing dedication to knowledge sharing and industry leadership.
- Honed communication skills through client and investor engagement, fostering productive interactions in critical meetings.
- Designed customized learning paths for onboarding Scrum Masters and Product Owners, highlighting a commitment to mentorship and skill development across teams.

Golcha Group Pvt. Ltd., India   **December 2020 - July 2021**

IoT Developer - Intern

- Achieved breakthrough results by spearheading the development and execution of two game-changing Proof of Concepts, leading to significant advancements in the organization's technological capabilities.
- Delivered a high-impact Automated RF-ID based fuel management system with ERP integration, resulting in an impressive 30% reduction in fuel wastage, effectively optimizing resource utilization and promoting sustainability.
- Pioneered the implementation of a highly accurate LiDAR system, powered by Intel's Open3D library and Python3 with Embedded C, resulting in a remarkable cost reduction of over 50% in weighbridge maintenance and operation expenses.

PROJECTS

ExpenSense (Python, Django, HTML, CSS, JavaScript, Bootstrap, AJAX) Project Link   **June 2023 – August 2023**

- **Goal:** Spearheaded the development of an automated web application tailored for Small and Medium-Scale Enterprises to effectively manage employee expenses.
- Streamlined data processing operations by leveraging Optical Character Recognition (OCR) API and orchestrating a customisable approval engine, resulting in substantial reduction in processing time of an expense.
- Pioneered the establishment of a robust fraud prevention mechanism, accomplished by meticulously extracting and cross-referencing signatures from receipt images through the utilization of OpenCV.
- Architected a REST API to dynamically generate comprehensive PDF Reports within specified timeframes, enhancing data accessibility and reporting efficiency.

Duelyst2: Backend Game Development (Java) Project Link   **January 2023 – March 2023**

- **Goal:** Development of the backend logic of a tactical card game.
- Enhanced gameplay experience by implementing diverse sets of rules and special abilities for various units on the board.
- Developed and rigorously tested an intelligent computer opponent, delivering a challenging and strategic gameplay experience, rivalling human opponents.
- Successfully managed a multifaceted role, encompassing intelligent computer opponent design, code reviews, conflict resolution, development direction, and comprehensive project documentation.
- Achieved on-time project completion by leading and guiding a team of 5 developers using agile methodologies.
- Led collaborative efforts with fellow developers to drive efficient implementation, resulting in significant progress towards application development goals.

ACHIEVEMENTS

- Ranked 2nd in SAS Automation challenge in CODE OLYMPICS 2023 (Hackathon).
- Presented a paper in international conference on Advanced Machine Learning Technologies and Applications (2020).
- Headed the Event Management team at TEDx Manipal University Jaipur (2018).

Personal Interests / Hobbies: Formula 1, Anime, Geography.