

Prashanth G

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Skills

- **Technical Skills:** C++, Python, Django, Flask, ReactJS, JavaScript, PostgreSQL, MySQL, Software Development, Web Development, Machine Learning, Google Cloud, Database Management Systems, GIT.

Experience

Vidya Sagar CSO, Chennai

Jun 2024 - Jul 2024

Technical Intern

- Engineered a student data management portal with Python, Django, and PostgreSQL, automating 100% of paper-based reporting, resulting in a 50% reduction in manual processing time.
- Designed and deployed a scalable architecture, accommodating a 40% increase in user load and ensuring seamless performance across three user roles: Student/Parent, Teacher, and Management.
- Optimized NGO operations by implementing a digital student record system, enabling the reallocation of resources towards improving educational programs and securely managing data for over 300 students.

MIT Square, London

Sept 2023 - Dec 2023

Research Intern

- Conducted research on energy-efficient data center cooling technologies, focusing on a hybrid sustainable closed-loop water system that minimizes freshwater consumption by recycling up to 95% of water and integrating renewable energy.
- Published findings demonstrating a potential reduction in water usage by 90% and energy savings of over 25% with CCHP systems.
- Led a team of 4 students, earning the 'Best Intern Team of the Year' award for innovation and effective collaboration.

Projects

- **FinLit: AI & ML based Financial Literacy Platform:**
 - Architected a financial web application that consolidated expense management and investment analysis, leading to a 30% decrease in time spent on financial planning activities among users, promoting better financial health.
 - Engineered a PostgreSQL database schema that streamlined data retrieval processes, resulting in an increase of 30% in query efficiency and enabling real-time insights into financial trends for better decision-making.
- **WorkZen: Developer Productivity Prediction:**
 - Built a Deep learning model using ANN algorithm to predict developer work-life balance with 82% reliability based on IBM's Dataset.
 - Designed a Streamlit dashboard used for personalized productivity insights, analyzing over 25+ unique work patterns to identify trends and actionable recommendations.
- **Seraphina: Postpartum Depression Prediction:**
 - Developed a machine learning model using Random Forest algorithm to predict postpartum depression risk with 89% accuracy.
 - Devised an interactive Streamlit web interface for real-time psychological with 15+ metrics in the risk assessment to provide personalized mental health guidance.

Education

SRM Institute of Science and Technology, Chennai

2022 - 2026 (Expected)

B.Tech. in Computer Science and Engineering

CGPA: 9.82/10

Relevant Coursework: Object-Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining.

Awards and Certificates

- **1st place winner** in ShelInnovates WTM Hackathon.
- **Secured Department 3rd Rank** in 1st Semester.
- **Best Intern Team of the Year** at MIT Square.

Positions of Responsibility

- **President, Developer Students Club, SRM University (2023 – Present):** Led a community of 1500+ students, managed a team of 40 people organizing workshops, technical events and hackathons.
- **Event Coordinator, GDG DevFest Chennai (2023 & 2024):** Managed event logistics for nearly 1000 participants.
- **Volunteer, Women TechMakers Chennai (2023 & 2024):** Organised campaigns for women empowerment and created awareness about online safety to school students