G Prashanth

pg0675@srmist.edu.in
Chennai, India

Summary

I am Prashanth, a pre-final year B.Tech in Computer Science and Engineering student with a strong interest in Software Development and Machine Learning. I bring a deep understanding of data structures, operating systems, and database management systems, with technical expertise in C++, Python, web development, and machine learning projects. Recognized as a competent leader, I excel in self-managing independent projects and also collaborating effectively as part of a productive team.

Education

SRM Institute of Science and Technology Jun 2022 - Present
B.Tech · Computer Science and Engineering · Chennai 9.81

I have maintained a strong academic record with a CGPA of 9.81. My education has provided me with a solid foundation in core computer science principles, including software development, data structures, operating systems, and database management systems.

Sree Narayana Mission Senior Secondary School Jun 2021 - May 2022
12th · CBSE · Chennai 83.6%

I completed my 12th grade in the Physics, Chemistry, and Mathematics stream with Computer Science, building a strong foundation in analytical thinking and technical skills.

Experience

Vidya Sagar CSO | Product's Link Jun 2024 - Jul 2024
Technical Intern · Developer · Internship Chennai

- Designed and Developed a robust portal that streamlined student data management, enhancing the system's overall functionality and ease of use.
- Employed Python, Django, and PostgreSQL to build the application, focusing on creating a scalable architecture that maintained high performance under increasing user loads.
- Improved the display and access of personalized student data, making it more intuitive and efficient for users to retrieve necessary information quickly.
- Worked closely with cross-functional teams to gather system requirements, strategize development phases, and implement solutions that aligned with the organization’s goals.

MIT Square, London Sep 2023 - Dec 2023
Research Intern · Internship Remote

- Conducted in-depth research and made a publication on energy-efficient and sustainable cooling technologies for modern data centers, contributing to advancements in eco-friendly infrastructure.
- Worked under the guidance of Dr. Bharat Rawal from Grambling State University, USA, gaining valuable insights into cutting-edge data center sustainability practices.
- Our team also won the "Best Intern Team of The Year" award for our collaboration, innovative approach, and dedication to delivering exceptional results throughout the internship program.

Developer Students club (formerly-Google Developer Student Clubs) Feb 2023 - Present
President

- Led a team to organize technical workshops, hackathons, and coding challenges, enhancing community engagement and skill development.
- Coordinated with industry professionals and external partners to bring valuable learning opportunities to club members.
- Managed club operations, ensuring smooth execution of events and efficient communication among members and a collaborative environment through peer-to-peer learning initiatives.

Projects

Seraphina: Postpartum Depression Prediction with Guidance Model | -
Project Link
Women Tech Makers Hackathon · Python, Scikit-learn, Random Forest Algorithm, Python-django Machine Learning

- **Platform Type:** Machine learning-based tool to predict postpartum depression risk and provide personalized mental health guidance for new mothers.
- **Recognition:** Secured 1st Place in the Hackathon
- **Features:** Includes depression risk prediction, personalized mental health tips, and real-time analysis based on user input.
- **Tech Stack:** Backend developed with **Python**, machine learning using **Scikit-learn**, and **Random Forest** algorithm for predictions, frontend built with **Streamlit**.

FinLit: Financial Literacy Platform | Project Link -
· Python, Django, Artificial Intelligence, PostgreSQL, Pandas, NumPy FinTech / Machine Learning

- **Platform Type:** Django-based financial management tool designed to help users track their expenses and make informed investment decisions.
- **Features:** Includes an expenditure tracker, personalized investment recommendations, community forum, educational financial resources, and an AI-powered chatbot for real-time assistance.
- **Tech Stack:** Backend built with **Django**, frontend using **HTML, CSS, JavaScript**, database on **PostgreSQL**, and visualizations via **Matplotlib.**

WorkZen: Developer Productivity Prediction | Project Link -
· Python, Scikit-Learn, Random Forest Algorithm, Streamlit Machine Learning

- **Platform Type:** Machine learning model designed to predict developer work-life balance and provide personalized productivity recommendations.
- **Features:** Predicts developer productivity, offers personalized guidance for better work-life balance, and provides actionable insights.
- **Tech Stack:** Developed with **Python**, machine learning model built using **Scikit-learn** and **Random Forest Algorithm**, frontend interface built with **Streamlit**.

Awards

Best Intern Team of the year
Research · MIT Square London

Department 3rd Rank
Semester 1 · SRM Institute of Science and Technology

Certifications

Machine Learning A-Z Oct 2024 -
Udemy · UC-28bbdaOd-d01a-41bd-bda6-f14fe3cd5794

Product Design Job Simulation Dec 2023 -
Accenture, Forage · BW9Db8DF83PYvnuRg

Competitions

WTM SheInnovates Hackathon Mar 2024
1st Place · Women Techmakers Chennai

Entropy Hackathon Aug 2024
Top 20 (out of 100) · FinTech Hackathon

Conferences and Workshops

Devfest Salem Dec 2023
GDG Salem · Sona College, Salem

Devfest Chennai 2023 Nov 2023
GDG Chennai · IITM Research Park

Skills

C++, Python, Software Development, Machine learning, Web-Development, Database Management, UI/UX, Data Analysis, Public Speaking, Leadership, Communication, Critical Thinking

Languages

English [Professional Working Proficiency], Tamil [Native Proficiency], Hindi [Elementary Proficiency]

Links

LinkedIn, GitHub, HackerRank, CodeChef