Sudheer Kumar Pathakamuri

Self-taught Software Engineer with hands-on experience in full-stack development. Committed to solving real-world problems and building scalable, impactful products.

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EDUCATION

Dr MGR Educational and Research Institute

Bachelor of Technology(CSE) - 8.12   Jun 2020 - Apr 2024

Sri Chaitanya Junior College

Intermediate - 9.44   Jun 2018 - Apr 2020

PROJECT

Stock Management System with Python & Django ↗   Apr 2024 - Jul 2024

- Designed and developed a stock management system using Django, enabling real-time tracking of inventory levels, sales, and restocking needs.
- Implemented user authentication and role-based access control, ensuring secure data management for administrators and staff.
- Optimized database queries with SQL, reducing stock retrieval time by 40%, leading to faster operational decisions.
- Created a responsive interface with Django templates and Bootstrap, ensuring seamless usability across devices.

Agriculture Data Analysis Using Machine Learning ↗   Jan 2024 - Apr 2024

- Developed a machine learning model to predict optimal crops based on soil type, weather patterns, and historical yield data, improving decision-making for farmers.
- Performed data preprocessing and feature engineering on large agricultural datasets, ensuring high model accuracy and reliability.
- Implemented a predictive analytics dashboard for real-time insights on weather and soil conditions, enabling proactive farming strategies.
- Utilized algorithms like Random Forest and Regression models to analyze and classify soil quality, achieving an accuracy rate of 85%.

SKILLS

- Programming Languages: Python, JavaScript, SQL
- Web Development:Django, HTML, CSS, Git
- Database: MySQL, SQLite
- Machine Learning: Familiarity with preprocessing, feature engineering, and model evaluation
- SoftSkills: Curiosity, Willingness to Learn, Goals Driven.

CERTIFICATE

Python Full Stack Certificate ↗

Cisco CCNAv7 : Introduction to Networks ↗

SCHOLASTIC ACHIEVEMENTS

- Secured 75% in JEE MAINS Examination.
- Maintained a 4.0 GPA consistently throughout academic career.
- Attained a rank of 9500 in EAMCETout of 170,000 students.