PRADEEP SAI DOMALA

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Summary

Results-driven Computer Science undergraduate with strong proficiency in Python, Java, and full-stack web development. Experienced in object-oriented programming, data structures, and Agile methodologies. Demonstrated ability to design and deploy scalable applications using React, Node.js, and MongoDB. Hands-on experience with time-series forecasting and machine learning fundamentals. Adept at collaborating in cross-functional teams, writing clean and maintainable code, and rapidly learning new technologies. Actively seeking software engineering opportunities to contribute technical skills and problem-solving expertise in high-impact environments.

Education

CMR Institute of Technology, Hyderabad
B.Tech in Computer Science and Engineering, GPA: 8.5 *2022–2026*

Sri Chaitanya & Junior College, ammenpur
12th (TSBIE), Percentage: 97% *2020–2022*

Nalanda high School, Nizamabad
10th (SCC Telangana), GPA: 10.0 *2020*

Skills

Languages: C, Java, Python, JavaScript

Frameworks: ReactJS, Node.js, Express

Databases: MongoDB, MySQL

Tools: Git, VS Code, Firebase

Concepts: OOP, Data Structures, Agile, Time-Series Forecasting

Experience

Triad Techno Services
Python Intern *June 2024 – July 2024*

- Developed a weather forecasting system using Python and AR (Auto Regressive) time-series models.
- Applied data preprocessing, feature extraction, and model evaluation to build predictive pipelines.
- Gained hands-on experience in collaborative development and real-world software practices.

Projects

Blood Donation Management System: To manage blood donation, donor records, blood inventory, and hospital/recipient requests efficiently. Connect donors, blood banks, and hospitals in real-time. Ensure availability of the right blood type at the right time.

Brain Tumour Disease Detection using Machine Learning and Deep Learning: Brain tumor detection using ML and DL starts with collecting and preprocessing brain MRI images. Tumor regions are segmented, and features are extracted or learned automatically by models like CNNs. The model is trained, tested, and used to classify tumor presence and type. Finally, results are refined and deployed in diagnostic tools for clinical use

Certifications

Python Programming: Infosys Springboard – Basics of Python
Java Programming: Infosys Springboard – Programming Using Java
HTML5,CSS,Javascript: Infosys Springboard – Basics of Front end
Introduction to Artifical Intelligence and Deep Learning : Infosys Springboard – Algorithms in AIML
AWS cloud practitioner essentials: AWS – Cloud Computing

Strengths

Fast learner with strong analytical and problem-solving skills. Adaptable, organized, and effective in team-based environments. Open to feedback and committed to continuous improvement.