

POTU GANGA NAVEEN

Kadapa, Andhra Pradesh

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Summary

Aspiring Software Engineer with experience in frontend/backend development, AI-driven solutions, and problem-solving. Proficient in JavaScript, React.js, Python, and MongoDB. Strong foundation in data structures, algorithms, and AI.

Experience

Data Analytics Intern

Jun 2024 - Aug 2024

EDUNET, Guntur, India

- Analyzed datasets using Python (NumPy, Pandas, Matplotlib, Seaborn) to extract insights.
- Created visualizations and conducted statistical analysis to identify trends.
- Cleaned and processed data for accuracy and reliability.

AI Researcher - Intelligent Medical Advisory Chatbot

Dec 2024 - Ongoing

Ongoing Research Paper Contribution

- Developing an AI chatbot using Scikit-learn and TensorFlow.
- Implementing CNNs for MRI/CT scan analysis.
- Using NLP to extract insights from medical prescriptions.

Projects

Credit Card Fraud Detection | Machine Learning, Python, Scikit-Learn

- Built a fraud detection model using Random Forest, XGBoost, and Autoencoders to identify suspicious transactions, handling imbalanced data and scaling features for better accuracy.
- Improved fraud detection by fine-tuning model settings, using ensemble techniques, and analyzing fraud patterns with Seaborn and Matplotlib.
- Evaluated performance using key metrics like Precision, Recall, F1-Score to ensure reliable detection.

Farmcart E-commerce Website | MERN Stack

- Enabled direct communication between farmers and customers for seamless produce transactions.
- Developed a dynamic platform for purchasing vegetables, fruits, and grains with secure payments.
- Implemented order tracking, real-time updates, and a user-friendly dashboard for farmers.

Education

SRM University AP

2022 - Present

B.Tech - Computer Science and Engineering, Amaravathi, Andhra Pradesh

CGPA: 8.77

Narayana Junior College

2020 - 2022

MPC, Kadapa, Andhra Pradesh

Percentage: 97.5

S.T JOSEPH'S E.M High School

2020

SSC, Kadapa, Andhra Pradesh

GPA: 10

Technical Skills

- **Programming Languages:** Python, Java, C++, JavaScript, PHP.
- **Web Technologies:** HTML, CSS, React.js, Node.js, Express.js.
- **Databases:** MongoDB, MySQL.
- **Development Tools:** Git/GitHub, VS Code, Docker.
- **Concepts:** Data Structures, Algorithms, OOP.
- **AI/ML Knowledge:** Basic understanding of TensorFlow, Scikit-learn.

Certifications

- The Joy of Computing Using Python – NPTEL.
- Data Analytics – EDUNET.
- Web Development – CODSOFT.
- C Programming – LinkedIn.