ALIMINETI SPOORTHY REDDY

Dallas, TX, 76201 Linked In Github aspoorthyreddy21@gmail.com

EDUCATION

University of North Texas   Texas, USA
Master of Science Computer Science; GPA: 4/4   **Aug 2024-May 2026**
Malla Reddy Engineering College for Women   Hyderabad, India
Bachelor of Technology Computer Science and Engineering; GPA:3.96/4   **Aug 2020-May 2024**

SKILLS SUMMARY

- **Programming & Frameworks**: Python, R, JavaScript, HTML, CSS, React, Angular, Vue.js, Next.js, Node.js, Express, Django, Flask, FastAPI, Spring Boot, NestJS, Bootstrap, Tailwind CSS, Material UI.
- **Databases & APIs**: MySQL, PostgreSQL, MongoDB, Redis, REST, GraphQL, Cassandra, DynamoDB.
- **Machine Learning & AI**: Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, NLP, Deep Learning, Predictive Modeling, Time Series Analysis, Reinforcement Learning, Model Deployment, Generative AI.
- **Data & Visualization**: Pandas, NumPy, Matplotlib, Feature Engineering, Data Preprocessing.
- **DevOps & Tools**: Git, GitHub, Docker, CI/CD, Model Deployment , Cloud ML, AWS, Azure, GCP,
- **Soft Skills:** Problem Solving, Critical Thinking, Team Collaboration, Communication, Leadership.

WORK EXPERIENCE

Teaching Assistant – Introduction to C++   **Jan 2025-Present**
- Conducted engaging lab sessions and tutorials for 200+ students, simplifying complex concepts, providing detailed feedback on assignments, guiding hands-on projects to foster critical thinking and teamwork.
- Collaborated with faculty to improve course materials, integrate modern learning tools, address student challenges, boost overall academic outcomes, student performance and Technical Skills.

PROJECT EXPERIENCE

CloudCast ML – Real-Time Rain Prediction Web App   **Aug 2025-Aug 2025**
- Built a machine learning–powered web app for rainfall prediction using real-time weather data
- Designed an interactive dashboard (temperature, humidity, wind, cloud cover) with Streamlit
- Deployed securely on Streamlit Cloud with API key management

Resume-Lens – Resume Analyzer & Visualizer   **Jan 2025 – May 2025**
- Developed a full-stack AI platform for resume parsing, skill gap analysis, and job matching
- Implemented AI-powered resume tips, cover letter generation, and real-time job recommendations
- Built responsive UI with React + Tailwind, secured data with RLS in PostgreSQL, deployed via Supabase

PUBLICATIONS

- **Electricity Theft Detection in Power Grids using Deep Learning and Random Forests – IJMMSA,Vol.14,Issue3,July2023**
  Co-authored research on detecting electricity theft using a hybrid CNN–Random Forest model, achieving ~100% accuracy on real-world datasets (SEAI & LCL).
- **Cyberbullying Detection on Social Media using Machine Learning – Journal of Critical Reviews,Vol.10,Issue07,2023**
  Researched supervised ML algorithms (SVM, RF, etc.) to detect abusive language in social media, achieving high predictive performance on multiple real-world datasets.

CERTIFICATIONS

- **Meta (Coursera):** Front-End Development, Back-End Development, React Basics, JavaScript Programming, Introduction to Databases
- **IBM (Coursera):** Data Analytics, Python for Data Science & AI, Exploratory Data Analysis for ML
- **Forage:** Tata Data Visualization, BCG GenAI
- **DeepLearning.AI:** AI for Everyone
- **University of Michigan:** Python Programming for Everybody