

ALIMINETI SPOORTHY REDDY

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EDUCATION

University of North Texas

Texas, USA

Master of Science Computer Science; GPA: 4

May 2026

Malla Reddy Engineering College for Women

Hyderabad, India

Bachelor of Technology Computer Science and Engineering; GPA: 3.96

May 2024

SKILLS SUMMARY

Skills:

- **Programming & Frameworks:** Python, R, JavaScript, HTML, CSS, React, Angular, Node.js, Express, Django, Flask, Spring Boot
- **Databases & APIs:** MySQL, PostgreSQL, MongoDB, Redis, REST, GraphQL
- **Machine Learning & AI:** Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, LightGBM, NLP, Computer Vision, Deep Learning, Predictive Modeling, Time Series
- **Data & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Feature Engineering, Data Preprocessing
- **DevOps & Tools:** Git, GitHub, Docker, CI/CD, Model Deployment, Cloud ML
- **Soft Skills:** Problem Solving, Critical Thinking, Team Collaboration, Communication, Time Management, Adaptability, Analytical Thinking, Attention to Detail, Creativity, Leadership.

WORK EXPERIENCE

Teaching Assistant – Introduction to C++

Jan 2025-Present

- Conducted engaging lab sessions and tutorials for 200+ students, simplifying complex concepts to enhance comprehension in core subjects.
- Provided detailed feedback on assignments and guided hands-on projects, fostering critical thinking, teamwork, and technical skills.
- Collaborated with faculty to improve course materials and integrate modern learning tools, addressing student challenges and boosting academic outcomes.

PROJECT EXPERIENCE

CloudCast ML – Real-Time Rain Prediction Web App | Python, Streamlit, Random Forest, OpenWeatherMap API (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 | React, Supabase, OpenAI API, TypeScript (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, July 2023**
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, Issue 07, 2023**
Researched supervised ML algorithms (SVM, RF, etc.) to detect abusive language in social media, achieving high predictive performance on multiple real-world datasets.
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CERTIFICATIONS

Certifications & Online Learning

- **Meta (Coursera):** Front-End Development , Back-End Development, React Basics, JavaScript Programming, Introduction to Databases, Marketing Analytics
- **IBM (Coursera):** Data Analytics, Python for Data Science & AI, Exploratory Data Analysis for ML
- **Google (Coursera):** Foundations of Data Analytics
- **DeepLearning.AI:** AI for Everyone
- **University of Michigan:** Python Programming for Everybody
- **University of Colorado Boulder:** Fundamentals of Data Visualization
- **Duke University:** Data Analysis in Excel, Programming Foundations
- **Yonsei University:** Deep Learning for Business
- **Coursera Project Network:** Data Analysis with Microsoft Excel, Big Data Exploration with PySpark

Job Simulations (Forage)

- **Tata Data Visualisation (May 2025):** Designed executive-level dashboards and insights to support business decisions
 - **BCG GenAI (May 2025):** Built AI-powered financial chatbot using Python and rule-based logic to analyze 10-K/10-Q reports
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