

Charan Reddy Katta

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EDUCATION

- New Jersey Institute of Technology (NJIT)** Newark, NJ
Masters in Computer Science 2023 - 2025
 - Relevant Courses:** Operating Systems, Data Structures, Deep Learning, Artificial Intelligence, Machine Learning, DSA
- KPRIT Institute of Technology and Science** Hyderabad, India
Bachelors in Computer Science and Engineering 2019 - 2023

SKILLS SUMMARY

- Languages:** Python, C, C++, PHP, JavaScript (React), SQL, R, Java, HTML, CSS, TypeScript, Go, Rust, MATLAB
- Frameworks & Tools:** Django, Express, Spring Boot, Flask, React.js, Node.js, TensorFlow, PyTorch, Selenium IDE, Docker, Kubernetes
- Platforms:** Linux, Windows, IBM Cloud, Google Cloud, AWS (EC2), PostgreSQL, MongoDB, Slack, Firebase, Heroku, DigitalOcean
- Data Visualization Tools:** Matplotlib, Seaborn, Tableau, Power BI, Plotly, D3.js, Apache Superset, Looker

EXPERIENCE

- GBCS Group** Canada (Remote)
Frontend Developer Intern Aug 2024 - Feb 2025
 - Web Development:** Optimized React.js applications for performance and user experience.
 - Collaboration:** Worked with teams to enhance fleet management solutions.
- We Rebel Technology** New York, USA
Full Stack Developer Intern May 2024 - July 2024
 - Full-Stack Development:** Built and maintained full-stack applications using React.js and Django.

Project Link: Figma Prototype
- Sanmiwago** New York, USA
Business Operations Intern July 2024 - Aug 2024
 - Tech & Marketing:** Assisted with tech integration, market research, and social media management.
- SharpStakes** Canada (Remote)
Brand Representative — Sales Intern Feb 2024 - May 2024
 - User Engagement:** Promoted products, gathered feedback, and boosted brand awareness.
- Cognier Insights PVT LTD** Hyderabad, India
Machine Learning Engineer Intern Sep 2022 - June 2023
 - Churn Prediction:** Developed predictive models using Python, TensorFlow, and SQL.

PROJECT EXPERIENCE

- Turtle Back Zoo Online Application:** Designed EER diagrams using Visio/draw.io for database schema development, applying strong and weak entity distinctions.
- SVM vs. Neural Networks in Connect 4:** Implemented Linear SVM (scikit-learn) and Single Hidden Layer Neural Network (TensorFlow/Keras) to analyze gameplay strategies.
- Bank Marketing Prediction:** Applied SVM, Random Forest, Deep Learning, and LSTM to predict customer responses in bank marketing campaigns.
- Multi-Task Plant Species & Disease Detection:** Built a PyTorch-based deep learning model for simultaneous plant species classification and disease detection.
- Article on: Detection of Abnormal SIP Signaling Patterns: A Deep Learning Comparison:** Conducted an in-depth comparison of deep learning models for detecting abnormal SIP signaling patterns, emphasizing accuracy and scalability in real-world applications.

THESIS PROJECT

- Deep Learning for Time-Series Data Classification in Industrial Applications:** Developed deep learning models to classify time-series data in industrial contexts, focusing on enhancing predictive accuracy and optimizing model performance.

CERTIFICATIONS

- Data Analyst Professional Certificate:** IBM
- C Programming Training:** Indian Institutes of Technology (IIT), Bombay
- Amazon Web Services (AWS) - Associate:** LinkedIn

VOLUNTEER EXPERIENCE

- Volunteers for NJIT Spring 2023-2024 & 2024-2025 Career Fair:** Newark, NJ - Assisted in organizing and managing career fair activities, helping students connect with potential employers.
- Engineering Workshop:** Hyderabad, India - Conducted technical and soft-skills training impacting over 3000 students.
Jan 2019 - Present
- Sports Event Organizer:** Hyderabad, India - Assisted in planning and managing sports events at KPRIT College.