

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
- Frameworks & Tools:** Django, Express, Spring Boot, Tableau, Selenium IDE, Docker
- Platforms:** Linux, Windows, IBM Cloud, Google Cloud, AWS (EC2), PostgreSQL, MongoDB, Slack
- Data Visualization Tools:** Matplotlib, Seaborn, Tableau, Power BI

EXPERIENCE

- GBCS Group** **Canada (Remote)**
Frontend Developer (Intern) *Feb 2025 - March 2025*
 - Web Development:** Developing and optimizing web applications using React.js, JavaScript, HTML, and CSS to enhance user experience.
 - Collaborative Work:** Collaborating with cross-functional teams to improve fleet management solutions.
 - Frontend Optimization:** Refining and optimizing frontend components for better performance and scalability.
- We Rebel Technology** **New York, USA**
Full Stack Development (Intern) *May 2024 - July 2024*
 - Discussion Forum Upgrades:** Refactored forum for performance to handle large datasets.
 - Software Development:** Engineered and maintained software applications from concept to deployment.
 - Full-Stack Development:** Developed projects utilizing JavaScript (React) and Python (Django).
- Sanmiwago** **New York, USA**
Business Operations (Intern) *July 2024 - Sep 2024*
 - Tech Enablement:** Assisted with technology integration and software quality assurance.
 - Market Research:** Conducted research and managed social media to enhance online presence.
 - Marketing & Design:** Supported marketing initiatives, designed graphics, and performed data analysis.
- SharpStakes** **Canada (Remote)**
Brand Representative — Sales Intern *Feb 2024 - May 2024*
 - Brand Promotion:** Promoted SharpStakes Inc. by engaging users and driving brand awareness.
 - User Engagement:** Referred new users and gathered feedback on new products and tools.
 - Rewards-Based System:** Earned compensation through a points-based system, receiving merchandise, gift cards, and trips.
 - Business & Marketing Experience:** Applied technical skills in a business context, enhancing communication and collaboration.
- Cognier Insights PVT LTD** **Hyderabad, India**
Machine Learning Engineer Intern *Sep 2022 - June 2023*
 - Customer Churn Prediction:** Developed a churn prediction model using Python, TensorFlow, and PyTorch.
 - Predictive Analytics:** Applied Logistic Regression and Decision Trees to enhance churn prediction accuracy.
 - Data Integration:** Integrated data using SQL joins and relational databases.
 - Data Visualization:** Visualized data with Matplotlib/Seaborn and processed data with Pandas/NumPy.

PROJECT EXPERIENCE

- Turtle Back Zoo Online Application (MS in CS):** Diagramming Software: Used diagramming software (e.g., Visio, draw.io) to create EER diagrams in .png and .pdf formats, ensuring clear submissions. Applied database design principles, distinguishing weak and strong entity types for effective schema development.
- Analysis of Linear SVM and Single Hidden Layer Neural Network in Connect 4 Gameplay (MS in CS):** Utilized Python with scikit-learn for Linear SVM and TensorFlow/Keras for Single Hidden Layer Neural Network in Connect 4 gameplay analysis, focusing on machine learning methods and data analysis for an MS in CS research project.
- Using SVM, RF, Deep Learning, and LSTM To Predict Bank Marketing (MS in CS):** Aims to implement a variety of machine learning classification algorithms, along with a deep learning model, to predict the likelihood of a patient having diabetes. This prediction is based on specific diagnostic measurements provided in the dataset.
- Multi-Task Plant Species and Disease Detection Using PyTorch:** Developed a multi-task deep learning model leveraging PyTorch to classify plant species and detect associated diseases, improving agricultural diagnostics through AI.

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.
- **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.

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.