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Career Objective

Passionate and motivated Master's student in Computer Science with a strong foundation in analytical thinking, technical problem-solving, and collaboration. Dedicated to applying academic knowledge to real-world challenges that drive innovation and measurable results. Committed to contributing to impactful projects that foster growth, create meaningful value, and support continuous professional and academic excellence. Focused on leveraging technology and data-driven insights to design efficient, scalable, and sustainable solutions for evolving digital environments.

Technical Skills

Programming & Scripting: Python, C++, JavaScript

Data Analytics & Visualization: Power BI, Tableau, Pandas, NumPy, Scikit-learn

Databases: MySQL, MongoDB

Cloud & Big Data Tools: Apache Spark, AWS (Foundational)

Core Competencies: Data Structures & Algorithms, Data Analysis, Cloud Computing, Information Security

Tools & Platforms: GitHub, VS Code, Linux, MS Excel, MS PowerPoint

Professional Skills: Communication, Leadership, Collaboration, Adaptability, Time Management

Professional Experience and Leadership

Data Management Intern, Astute Infocom - May 2024 - July 2024

- Processed, organized, and validated large datasets to enhance accuracy and accessibility, improving overall data reliability.
- Streamlined data processing workflows using SQL and Python to optimize pipeline performance.
- Supported cloud-based data workflows and collaborated with cross-functional teams to ensure consistency and data quality.

Academic Qualifications

University of North Carolina, Charlotte, NC   **Year:** 2024-2026

Major: Master of Science in Computer Science, **Gpa: 3.71/4**

Concentration: Data Science, Information Security and Privacy

Key Coursework: Data Structures & Algorithms, Database Systems, Software System Design, Information Security, Big Data, Visual Analytics, Cloud Computing for Data Analytics, Artificial Intelligence, Computer Networks

CMR Institute of Technology, Medchal   **Year:** 2020-2024

Bachelor of Technology in Computer Science and Engineering, **Gpa: 7.5/10**

Leadership: **Class Representative**

- Served as Class Representative for four consecutive years, bridging communication between students and faculty, addressing concerns, and coordinating academic and class activities.
- Organized technical workshops, guided peers in coding competitions, and led collaborative projects that enhanced mentoring, teamwork, and communication skills.

Projects

AI-Powered Job Market Insights | Git Url: https://github.com/Poojareddy16/ai_powered_job_market
- Designed and developed an **interactive Streamlit dashboard** using Python, Pandas, and Plotly to analyze job-market data across industries, AI adoption, and salary trends.
- Built an **end-to-end analytical tool** enabling data filtering, visualization, and insight generation on automation risk, remote work, and hiring patterns.

Apple Leaf Disease Detection | Git Url: https://github.com/Poojareddy16/AppleLeaf_Disease_Detection
- Implemented a **ResNet50-based deep learning model** on the Plant Pathology 2020 dataset to identify multiple apple leaf diseases with high accuracy.
- Deployed an **interactive Streamlit web app** for real-time prediction, image upload, and confidence-based disease classification.

Traffic Sign Recognition | Git Url: https://github.com/Poojareddy16/Traffic-Sign-Recognition
- Developed a **CNN-based model** using the GTSRB dataset to accurately classify and recognize multiple traffic sign categories.
- Built a **Streamlit interface** enabling real-time traffic sign prediction and visualization of model outputs for user-uploaded images.

Achievements

- Participated in an **Inter-College Web Development Hackathon** (Jan 2023), contributing creative ideas and front-end design concepts.
- Completed the **MERN Full Stack Web Development Course** from CareerX (Feb–Jun 2023), gaining hands-on experience in web technologies.
- Volunteered as an **Event Coordinator** for the **Illuminate 2022** college fest, managing event logistics and communication among participants.
- Completed a **four-week Industry-Oriented Civic Dashboard Internship** (May–Jun 2022), applying data visualization and analytical techniques to real-world datasets.
- Delivered team presentations and supported project coordination for academic and technical events, strengthening leadership and collaboration skills.

Certifications

- **Google –** Data Analytics Certificate
- **Cisco Networking Academy –** Introduction to Cybersecurity
- **Infosys –** Basics of Python
- **Coursera –** Project Management
- **DataCamp –** Intro to SQL