

Buttamgari Sai Pooja

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Career Objective

As a passionate and curious Master’s student in Computer Science, I’m eager to apply my analytical thinking and problem-solving mindset to real-world challenges. I thrive in dynamic, collaborative environments where innovation and continuous learning drive meaningful results. With a drive to grow and create purposeful impact, I aim to contribute to projects that solve complex problems, deliver measurable outcomes, and make a lasting difference.

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.
- Improved data pipeline efficiency and optimized database performance using SQL and Python for faster data processing.
- Supported cloud-based data workflows and collaborated with cross-functional teams to ensure consistency and data quality.

Class Representative, CMR Institute of Technology, 2020-2024

- Represented the class in meetings with faculty and administration, serving as an effective bridge between students and professors.
- Managed student concerns, gathered feedback, and facilitated improvements to enhance the overall learning experience.
- Led academic coordination, organized class activities, and delivered presentations that strengthened communication, teamwork, and leadership within the class.

Academic Qualifications

University of North Carolina, Charlotte, NC
Major: Masters 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
Bachelor of Technology in Computer Science and Engineering, Gpa: 7.5/10

Year: 2024-2026
Year: 2020-2024

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.

Personal Portfolio Website | Git Url: <https://github.com/Poojareddy16/portfolio-main>

- Designed and developed a **responsive personal portfolio website** to highlight academic achievements, certifications, and technical projects.
- Focused on **clean, accessible UI design** and deployed the site via GitHub Pages to ensure professional presentation and visibility.

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