

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.
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Academic Qualifications

University of North Carolina, Charlotte, NC

Year: 2024-2026

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

Year: 2020-2024

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

Projects

AI-Powered Job Market Insights | Jan 2024 – May 2024

- Built an interactive dashboard using Python & Streamlit to analyze synthetic job-market data covering job titles, industry sectors, AI adoption, and salary distributions.
- Conducted exploratory data analysis and created visualizations (pie charts, line plots, bar charts) to uncover trends such as remote-work prevalence, automation risk, and industry hiring patterns.
- Developed an end-to-end tool that allows stakeholders to filter by company size, AI adoption level, and remote-friendly jobs, enabling data-driven insights for career and strategy planning.

Apple Leaf Disease Detection | Feb 2024 - May 2024

- Applied deep learning techniques to detect diseases in apple leaves using the **ResNet50** pretrained CNN model on the **Plant Pathology 2020 Kaggle dataset**.
- Processed and standardized over **1,800+ labeled images**, improving model accuracy through resizing, normalization, and data augmentation.
- Deployed the trained model as an interactive **Streamlit web app** for real-time leaf disease classification and confidence-based predictions.

Personal Portfolio Website

- Developed a **responsive portfolio website** to showcase academic achievements, certifications, and technical projects.
 - Focused on a clean, accessible design and deployed the site via **GitHub Pages** for professional presentation and visibility.
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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.
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Certifications

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