

Sai Pooja Buttamgari

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Education

University of North Carolina, Charlotte, NC

Year: 2024-2026

Major: Master of Science in Computer Science, GPA: 3.80 / 4

CMR Institute of Technology, Medchal

Year: 2020-2024

Bachelor of Technology in Computer Science and Engineering, GPA: 7.62 / 10

Class Representative:

- **Managed academic operations for four years** by coordinating student–faculty communication, resolving academic issues, organizing workshops and events, monitoring student progress, and mentoring peers to **improve class workflow efficiency, leadership, and overall student engagement.**
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Professional Experience

Data Management Intern, Astute Infocom

May 2023 - Oct 2023

- **Improved data accuracy by ~25%** by processing, cleaning, and validating large datasets using **SQL and Python**, strengthening **data reliability** for analytics and reporting workflows.
- **Improved operational efficiency by ~20%** by optimizing structured **data pipelines and cloud-based workflows**, ensuring consistent, high-quality outputs and effective collaboration across technical teams.

Python Intern, Edugene Technologies Pvt. Ltd.

Sep 2022 - Oct 2022

- Developed and **tested Python programs** to implement core programming concepts, **data handling**, and logic-based **problem solving**.
- **Improved code quality** through **debugging**, refactoring, and adherence to clean coding practices under mentor guidance.

Full Stack Development Intern, Swecha

May 2022 - Jun 2022

- Contributed to the development of a **civic-focused dashboard** by building and **enhancing frontend components** using HTML, CSS, and JavaScript.
 - **Collaborated** in an end-to-end **web development workflow**, integrating structured data with **UI components** for effective information display.
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Projects

Amazon Customer Reviews Analytics & Predictive Modeling (End-to-End Pipeline) | [Git Url](#)

- **Built** a TF-IDF + Logistic Regression sentiment model on **50K+ Amazon reviews**, achieving **~85% accuracy overall**.
- Developed a **TF-IDF–based Linear Regression** rating prediction pipeline, generating product insights ($R^2 \approx 0.42$, $MSE \approx 0.95$).

AI-Powered Job Market Analytics & Decision Intelligence Dashboard | [Git Url](#)

- Built a Streamlit dashboard with Python and Plotly to analyze job trends, enabling **30–40% faster insights**.
- Improved insight **accuracy** through automated **EDA** and **visualizations**, enabling clearer analysis of remote-work trends.

Fake Currency Detection using Machine Learning | [Git Url](#)

- Built a supervised **ML pipeline** in Python using Scikit-learn and KNN to detect counterfeit currency with **90%+ accuracy**.
 - Optimized model performance through **EDA** and hyperparameter tuning to **improve fraud-detection** reliability.
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Technical Skills

Programming & Scripting: Python, C, C++, JavaScript

Data Analytics & Visualization: Power BI, Tableau, Pandas, NumPy, Plotly, Matplotlib, EDA

Machine Learning & Deep Learning: Scikit-learn, TensorFlow, Keras, CNNs, ResNet50

Databases: MySQL, MongoDB

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

Web Development: HTML, CSS, JavaScript, Responsive Design, GitHub Pages

Tools & Platforms: Git, GitHub, VS Code, Linux

Certifications

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