

# Sai Pooja Buttamgari

Gmail: [buttamgaripoojareddy@gmail.com](mailto:buttamgaripoojareddy@gmail.com) | Mobile No: [704-906-7144](tel:704-906-7144) | [GitHub](#) | [Linkedin](#) | [Portfolio](#)

## 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.**

## 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.

## 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.

## 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