# UMA G S

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## PROFESSIONAL OBJECTIVE

Entry-level software developer skilled in Python, C++ and C, with hands-on experience in HTML , CSS. Built full-stack web apps and basic ML tools through academic projects. Strong foundation in data structures, APIs, and debugging. Eager to contribute to backend and full-stack development roles.

## EDUCATION

**Don Bosco Institute of Technology**                                                              Jul 2021 - Jun 2025

Bachelors of Engineering in Computer Science and Engineering                                        Bengaluru

8.61 CGPA

**Relevant Courses: C Programming, Python Programming, Data Structures & Algorithms, Machine Learning**

**Excel PU College**                                                                                Jul 2019 - Apr 2021

Pre-University College                                                                              Bengaluru

Percentage 94.3

Physics, Chemistry, Mathematics, Biology

## SKILLS

- **Programming Languages:** C, Python, C++
- **Technical Skills:** SQL
- **Web Technologies:** HTML, CSS
- **Frameworks & Tools:** Git/GitHub, Streamlit, Postman
- **Data Visualization & ML Tools (Basics):** NumPy, Pandas, Matplotlib, Seaborn

## PROJECTS

**Automated Kidney Disease Detection System**                                                        June 2025 – Nov 2025

- Built a Python-based ML system to detect kidney disease from patient data with over 90% accuracy
- Implemented data preprocessing, feature selection, and model training using Random Forest and SVM algorithms.
- Developed a Flask web app for real-time predictions, improving diagnostic efficiency and accessibility**.**

**Air Canvas using OpenCV and NumPy**                                                                 Apr 2024 – Jan 2025

● Developed an interactive Air Canvas application using OpenCV and NumPy that allows users to draw in the air using hand gestures tracked via webcam.

● Implemented color detection and contour tracking algorithms for real-time gesture recognition and smooth drawing performance.

● Optimized frame processing for minimal latency, enhancing drawing accuracy and user experience.

**Samsung Innovation Campus –IoT**                                                                    Mar 2024 – Apr 2025

 ● Worked on building IoT projects like Industry Safety Monitoring System and built a web application where Industry Safety can be monitored from anywhere.

## CERTIFICATIONS

- **Artificial Intelligence & Machine Learning Foundations**
   TNS India Foundation
      Certified in Machine Learning and Artificial Intelligence
- TechA Computer Vision Certification
- Database Management System Certification