

# Denistan B

+91 9677388522 | denistanb05@gmail.com | LinkedIn | GitHub | LeetCode | CodeChef

## EDUCATION

**Kumaraguru College of Technology, Coimbatore**  
*Bachelor of Technology in Computer Science and Engineering*

Sep 2023 – Present  
**8.94 CGPA**

## EXPERIENCE

**Backend Developer**  
*Synvolve Intellis*

Jun 2025 – Sep 2025  
*Remote*

- Developed and deployed a **Jewellery Ecommerce Web Application** with a **Node.js** backend and **Prisma ORM** on **PostgreSQL**, implementing secure authentication and optimized REST APIs to support over **100 concurrent users**.
- Built a personalized product recommendation engine using **ALS (Alternating Least Squares)** in **Python**, improving user engagement via relevant product suggestions.

**AI Engineer**  
*September AI*

Nov 2025 – Present  
*Remote*

- Studied foundational **transformer research papers** (e.g., *Attention Is All You Need*) to build strong theoretical grounding in attention mechanisms and scalable deep learning architectures, while designing and implementing MCP server setups to **orchestrate multiple MCP servers** through a unified access layer.

**AI & ML Engineer**  
*iQube*

Apr 2024 – Present  
*Remote*

- Promoted to **Level 2 at iQube**, actively contributing as an AI developer to real-world projects like **Roller Defect Detection** and **BMS for TSS Boat**, while actively participating in hackathons and technical events.

## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++, Java

**AI Frameworks:** Scikit-Learn, Computer Vision - TensorFlow, Keras, Ultralytics YOLO, OpenCV, Pytorch, NLP - Transformers, Hugging Face, SentenceTransformers, LangChain

**Web & App Frameworks:** HTML, CSS, JavaScript, TypeScript, Node, Express, Streamlit, Flask, FastAPI, REST APIs, Tkinter

**Databases & Developer Tools:** MySQL, MongoDB, PostgreSQL, Git, GitHub, Docker, AWS, VSCode, Postman

**Competitive Coding:** ICPC, Leetcode, Codechef

**Core CS & Systems:** Data Structures & Algorithms, OOPS, DBMS, Operating Systems, Networking, Linux

**Certifications:** C, C++, Python (Bharat Sevak Samaj), Complete ML & DS (Udemy), AI-ML Virtual Internship (Google for Developers), ML Foundations (AWS), Cloud Foundations (AWS), Gen AI Foundations (AWS), Introduction to Model Context Protocol (Anthropic)

## PROJECTS

**Roller Defect Detection** | Computer Vision, YOLOv8, OpenCV, Tkinter, MySQL

Jul 2025 – Present

- Built a **Computer Vision System** for **Welvision** using **YOLOv8** to detect roller surface defects (*rust, dents, flat lines, spherical marks, damage*) in real-time.
- Developed a **Tkinter GUI** for visualization and user interaction, enabling efficient operator inspection.
- Integrated a **MySQL Database** to store inspection results for tracking, reporting, and analysis.

**Resume Builder & Analyzer** | HTML, CSS, JavaScript, Flask, NLP, MongoDB

Feb 2025 – Mar 2025

- Built a full-stack AI-powered app using **Flask** and **MongoDB** to let users generate resumes with custom templates, profile images, and Gemini-powered summaries.
- Developed a **Resume Analyzer** using **pdfplumber** and **Sentence-BERT** to match resumes with job descriptions and highlight improvement areas.
- Integrated **Gemini API** and designed a clean frontend with multiple templates for a user-friendly experience.

## BLOGS

- [HTTP Requests & Responses Explained : A Beginner's Guide](#)
- [Why CORS Matters: Unlocking Secure Web Communication"](#)
- [Authentication & Authorization Explained: How They Keep Your App Secure"](#)

## HONORS & AWARDS

**Mahatma Gandhi Merit Scholarship**

2023-24, 2024-25

Awarded for academic excellence during consecutive academic years, recognizing consistent outstanding performance in the Computer Science curriculum.

**Python Coding Contest Winner — Neo Colab with KCT**

May 2024

Secured **1st place** in the Python Coding Contest organized by **Kumaraguru College of Technology** in collaboration with **Neo Colab**, showcasing strong problem-solving and programming skills.