AVADHOOT DUTT

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SUMMARY

Computer Science undergraduate with a strong foundation in Python, SQL, and analytical problem-solving, and a growing passion for Data Science, Artificial Intelligence, and Generative AI. Currently building MedScope AI, a Generative AI application that simplifies medical prescriptions using LLM-powered prompt engineering, alongside hands-on Python-based problem solving and self-directed software development. A fast learner eager to apply strong technical fundamentals and genuine curiosity for AI to real-world problem solving.

EDUCATION

KL University — Andhra Pradesh, India 2023 – Present

B.Tech in Computer Science & Engineering (Honours) | CGPA: 8.79 / 10.0

Sri Gayatri Junior College — Zaheerabad, Telangana 2021 – 2023

Intermediate — MPC | Percentage: 81.4%

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C, JavaScript (Basics)
- **Artificial Intelligence & Generative AI:** Generative AI, Large Language Models (LLMs), Prompt Engineering, Gemini API
- **Data Science:** Data Analysis, Data Processing, Power BI, Microsoft Excel (Pivot Tables, VLOOKUP)
- **Developer Tools & Cloud:** Git, GitHub, VS Code, Streamlit, Microsoft Azure
- **AI Productivity Tools:** ChatGPT, Claude, Gemini, Perplexity, ElevenLabs

EXPERIENCE

Research Intern Jul 2026

TripNTreat | Remote

- Conducted structured research and data collection on travel destinations, organising findings into a structured content database for a destination intelligence platform.
- Validated large volumes of information for accuracy and consistency, applying analytical problem-solving to resolve data discrepancies and support documentation.

PROJECTS

MedScope AI — AI-Powered Prescription Explainer (In Development)

Personal Project | Python · Streamlit · Gemini API · Prompt Engineering · Generative AI

- Building a Python and Streamlit web app that uses the Gemini API to turn medicine names or prescription text into simple, patient-friendly explanations.
- Designing prompt engineering workflows that guide the LLM to explain medicine purpose, dosage, side effects, and precautions from user input.
- Structuring a clear input-to-output pipeline, applying problem-solving and user-centered design to make medical language accessible.
- Incorporating an educational-use disclaimer so outputs support understanding rather than replace medical advice.

Algorithmic Problem Solving in Python

Self-Directed Practice | Python · Data Structures & Algorithms

- Solved algorithmic problems in Python spanning tree-based dynamic programming, greedy scheduling, and number theory, strengthening core programming logic and analytical problem-solving.

CERTIFICATIONS

Aviatrix Certified Engineer — MultiCloud Network Associate, 2025 | Scrum Fundamentals Certified, 2026

LEADERSHIP & ACHIEVEMENTS

Campus Ambassador Jun 2024 – Dec 2024

Techfest, Indian Institute of Technology Bombay

- Led stakeholder outreach and campaign coordination across KL University for Techfest IIT Bombay, Asia's largest tech festival, tracking participation against targets.

ADDITIONAL INFORMATION

Areas of Interest: Artificial Intelligence • Data Science • Generative AI • Problem Solving

Soft Skills: Analytical Thinking • Curiosity • Problem Solving • Adaptability • Team Collaboration

Languages: English, Hindi, Marathi, Telugu, Kannada