

RISHABH VINEETH

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SUMMARY

Computer Science undergraduate specializing in **AI & ML**. Proficient in **C, C++, Java, Python** with experience in **machine learning, algorithms, and web development**. Strong foundation in **DSA, OOP, and software engineering**, with interest in scalable intelligent systems.

SKILLS

Languages: C, C++, Java, Python

AI/ML: TensorFlow, Scikit-learn, Regression, Classification, Model Evaluation

DSA: Arrays, Trees, Graphs, Dynamic Programming

Web: HTML, CSS, JavaScript, Flask, REST APIs

Tools: Git, GitHub, VS Code, Jupyter, Linux

Core: Problem Solving, Debugging, Collaboration

EDUCATION

VIT, Chennai	2023 – 2027
B.Tech CSE (AI & ML)	CGPA: 8.34

Private International English School, Abu Dhabi	2022
Class XII (CBSE)	80%

PROJECTS

Finance Web App – Full-stack app (**Flask, HTML, CSS, JS**) for expense tracking; added **AI budgeting assistant**.

Sorting Benchmark – Implemented **Selection, Insertion, Quick, Merge Sort** in C++; performed **runtime & complexity analysis** on 10K+ records.

Solar Tracking (Concept) – Proposed **gravitational wave-based** solar tracking; conducted **feasibility analysis**.

RESEARCH IN PROGRESS

IoT Smart Helmet – Developing an intelligent helmet equipped with **IoT sensors, accelerometer, and GPS modules** for accident detection. The system triggers **real-time alerts** to emergency contacts and hospitals using wireless communication, aiming to reduce response time in road accidents.

DeepSenseDrive AI – Designing a multimodal **deep learning system** that integrates **vision, sensor, and behavioral data** to detect driver alcohol impairment. Focused on **real-time processing, adaptive decision-making, and safety automation** to enhance intelligent transportation systems.

CERTIFICATIONS

Microsoft Excel (2023)

NPTEL: Conservation Economics (2024)

IIT Bombay: C, C++, Python (2023)

LEADERSHIP & ACTIVITIES

Member, ViTEach Club – Conducted coding workshops

Volunteer, Abu Dhabi Community Programs

Participant, AI Workshop on Agentic AI (Ericsson)