

Ayush Uttarwar

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SUMMARY

Final-year B.Tech student specializing in AI and Data Science. I have a strong foundation in Data Structures, Algorithms, and Machine Learning, and practical experience with NLP and Generative AI from my projects. I'm seeking an entry-level opportunity where I can learn and contribute as I begin my career.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, Python, LangChain

Frameworks: Node.js, Express.js, React, Tailwind CSS, Redux

Libraries: Mongoose, NumPy, Pandas, scikit-learn, Matplotlib

Tools: Git, GitHub, MongoDB, MySQL, Postman

PROJECTS

Mental Health Chatbot

Dec 2024

RAG Chatbot

LangChain, AstraDB, Groq's LLM

- Built an **LLM-powered** chatbot using **Retrieval-Augmented Generation (RAG)** for accurate and context-aware responses.
- Integrated **AstraDB** vector store with **Hugging Face embeddings** for efficient document retrieval.
- Developed a **Gradio-based UI** and optimized inference speed for real-time interaction.

Codexity

Aug 2024 – Feb 2025

Web Development

React, MongoDB, Tailwind CSS, Node.js, etc.

- A fully functional ed-tech platform using the **MERN stack** to enable course creation, consumption, and rating.
- **Designed** a seamless and interactive learning experience for students and a showcase platform for instructors.
- **Implemented** comprehensive technical features including API design, deployment, and testing processes.

AI-Powered Virtual Assistant

Jan 2025 - April 2025

Generative AI

Python, Cohere, Selenium, Web Scraping

- Developed assistant with **voice recognition, automation, real-time search, and chatbot capabilities** using Python and Groq's LLM.
- **Implemented** speech-to-text, text-to-speech, image generation, and system automation for seamless user interaction.
- **Enhanced** response accuracy by integrating LLMs, real-time web scraping, and API-based query handling for dynamic, context-aware assistance.

EDUCATION

Vishwakarma Institute of Information Technology

Pune, MH

B. Tech - Artificial Intelligence and Data Science (CGPA: 8.37)

2022 – Present

The Jain International School

Aurangabad, MH

H.S.C. (Grades: 80%)

2020 – 2022

CERTIFICATIONS

- ChatGPT Prompt Engineering for Developers – DeepLearning.AI – August 2024 **certificate**
- Microsoft Power BI Data Analyst – coursera – April 2025 **certificate**

ACHIEVEMENTS

- Solved **250+ DSA problems** on Leetcode
- Tutored a student in JavaScript, helping him grasp fundamental concepts.