

# Yatharth Gupta

 yatharth-gupta |  linkedin.com/in/yatharth-gupta1 |  guptayatharth1@gmail.com |  9314393141

## EDUCATION

**Internaltional Institute Of Information Technology, Hyderabad**

B.Tech in CSE

**Expected-: 2025**

*GPA: 8.57/10*

**Tagore Public School, Jaipur**

Class 12th CBSE Board

**Graduated-: 2021**

*Percentage: 94*

## WORK EXPERIENCE

**Application Developer @ ORACLE** | *VBCS, SQL, APIs, HTML*

May 24 - July 24

- Created a comprehensive employee directory and profile system in a low code env called Visual Builder Cloud Service (VBCS), enabling seamless search, profile editing, and updates by employees.

**Software Development @ VLEAD** | [Github](#) | [NPM](#) | *ReactJS, Bulma-css, npm*

May 23 - July 23

- Built 2 ReactJS components, published to npm, and adopted by 20+ developers in the Virtual Labs team to reduce redundancy. Collaborated on integrating 4 features to enhance the Virtual Labs website.
- Implemented Google Sheets as a BaaS system with relational DB features, storing 100+ employee records, enabling seamless API integration, and efficient data handling for small datasets.

**VLEAD Website** | [Demo](#) | [Github](#) | *ReactJS, Astro, Bulma-css*

Jan 23 - May 23

- A creative, user-friendly, and interactive website with SRS, documentation, and responsive pages.
- Worked on connecting to Google Sheets as backend using API and fetching data, data visualization as graphs and diagrams, fetching content from GitHub, and dynamically displaying on the website.

## PROJECTS

**Arch-copilot @SERC-LAB, IIIT-HYD** | *LangChain, MongoDB, OpenAI, RAG*

- Developed a Copilot tool for software architects using RAG to deliver accurate architectural advice, leveraging a manually verified database of 5000+ ADRs.

**ML Models From Scratch** | [Github](#) | *PyTorch, Tensorflow, Wandb*

- Developed 10+ machine learning models from scratch, including KNN, decision trees, PCA, CNN, Ensemble Learning, and HMM, optimizing performance with hyperparameter tuning via Wandb.

**AI Voice Assistant** | [Github](#) | *Groq, Python, OpenAI TTS*

- Created a super fast voice-activated personal assistant by utilizing a Groq AI API. This assistant is capable of receiving voice messages and providing vocal responses with a avg latency of 1.2sec.

**Greddit: A MERN stack based website** | [Demo](#) | [Github](#) | *MERN, Docker, Web Dev*

- Designed and implemented a Dockerized Reddit-style social networking site, including user authentication, authorization, registration, chat box, followers, moderators, pages, create, save, and report posts, and many other features completed with testing.

**User defined Interactive Shell for Linux** | [Github](#) | *C, Operating System, Linux*

- A Linux-like shell from scratch using modular C code with a 3000+ line codebase, supporting: I/O redirection, piping, background/foreground processes, signals, and a custom *discover* feature.

## SKILLSET

**Languages:** C, C++, HTML, SQL, JAVA, Python, JS

**Software Skills:** MERN, Astro, Git, Machine Learning, AWS cloud, LlamaIndex, LangChain

**Soft Skills:** Creativity, Public Speaking, Active listening, Leadership, Teamwork.

## ACHIEVEMENTS AND POSITION OF RESPONSIBILITIES

- **JEE-2021:** Ranked **612/939,000** (Top 0.05%) in Mains and **1,652/141,000** (Top 1.1%) in Advanced.
- **Deans List 2023-24:** Ranked in top 10% of my batch.
- **ART Society:** Logistics Head of the ART society'24 @ IIIT-Hyd.
- **Placement Coordinator:** Managed 5+ companies, placing 30+ students in Placements '24-'25.
- **Teaching Assistant:** Mentoring 30+ students in the Statistical Methods in AI course in spring'25.