

# Tanya Chaturvedi

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<https://github.com/tanyaachaturvedi> | <https://portfolio-tanyaachaturvedi.netlify.app>

## TECHNICAL SKILLS

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C++, Machine Learning, GoLang, JavaScript, Python, React.js, Git

## CERTIFICATES

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- Oracle Cloud Infrastructure 2025 Generative AI Professional

## PROJECTS

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### **Promptly** | *Google Gemini API, React.js, Node.js*

- Developed an AI-based content creation assistant that leverages Google Gemini API for generating high-quality written content, including emails, social posts, and summaries cutting manual content creation time by 75% .
- Implemented a secure Node.js backend to handle API requests, environment-based configuration, and robust error handling.
- Demonstrated skills in artificial intelligence, machine learning, web technologies (HTML, CSS, JavaScript, React.js, Node.js), and API integration.

### **Knowbotic** | *Python, LangGraph, Vector Search*

- Devised an autonomous research assistant leveraging LLMs and, capable of synthesizing information from 10,000+ documents and web sources.
- Integrated real-time web search, RAG-based document retrieval, and structured summarization with source-cited output and demonstrated expertise in LLM orchestration, vector search using FAISS

### **Swaasthya** | *Go, Redis, PostgreSQL, Docker*

*Finalist SIH'24*

- A scalable, containerized microservices-based hospital management system, improving data retrieval speeds by 40% through region-based database sharding.
- Developed role-based 2FA authentication for administrative and staff access and Integrated Redis-powered smart queue management.

## EXTRA CURRICULARS

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**LeetCode:** Rank 87,225 | Contest Rating: 1709

**Joint Secretary:** BashCraft, VIT Bhopal

**Technical Team Member:** IOT Club, VIT Bhopal

**Smart India Hackathon 2024** Finalist in VIT Bhopal's SIH 2024 internal round

## EDUCATION

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### **Vellore Institute of Technology**

*B.Tech in ECE with AI and Cybernetics - 8.23 CGPA*

Bhopal, MP

*October 2022 – July 2026*

### **Christ Church Girl's S.S. School**

*Class XII - 85%*

Jabalpur, M.P.

*April 2020 – May 2021*

### **Christ Church Girl's S.S. School**

*Class X - 89%*

Jabalpur, M.P.

*April 2018 – May 2019*