

# Omkar Deshmukh

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## EDUCATION

### Pune Institute of Computer Technology

*Bachelor of Engineering in Computer Engineering*

- SCGPA - 9.26

Pune, Maharashtra

*Nov. 2022 – Jun. 2026*

### RMD Sinhgad College

*completed 12th grade*

- overall - 94.4
- PCM - 95.6 %

Pune, Maharashtra

*Aug. 2020 – May 2022*

### Podar International School

*Completed 10th grade*

- overall - 98.8

Pune, Maharashtra

*Aug. 2010 – May 2020*

## ABOUT ME

I am a proficient web developer and an AI/ML developer who likes to keep up with new technologies and learn new things. I am also very competitive and like to solve coding problems frequently.

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, JavaScript, HTML/CSS

**Frameworks:** React, Node.js, Tailwind

**Developer Tools:** Git, GitHub, Eclipse, VS Code, PyCharm, Vercel, Streamlit

**Libraries:** Express, ZOD, JWT, Recoil, Mongoose, Sequelize, FAISS, LangChain, LangGraph, Crew AI

**Databases:** MongoDB, Postgres

**Technologies:** Conventional ML Models, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), AI Agent Development

## CODING PLATFORM PROFILE

**Leetcode** | *Rating 1711* | [Profile](#)

- Completed 340+ questions

**CodeChef** | *Rating 1618* | [Profile](#)

- 3 star

## EXPERIENCE

### Backend Engineer (Intern)

*TechnoGrowth Software Solutions Pvt. Ltd*

May 2024 – Aug 2024

*Pune, MH*

- Contributed to the development of the Taht-Talbak project, a comprehensive platform combining functionalities similar to Uber, Porter, and Zoomcar for the Kuwait market
- Engineered REST APIs to manage complex scenarios efficiently
- Integrated Mapbox API for geocoding based on longitude and latitude, and implemented zone management according to client specifications
- Added socket functionality to connect drivers and the server for real-time order emitting and updates

## WEB + AI/ML PROJECTS

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### **LogSentry** | *Random Forest, XGBoost, LLaMA 3.1 (8.1B params), React, Node* | [Deployed](#) ([Github](#))

- \* Developed an automated error log categorization system that classifies logs into critical, non-critical, and warning levels.
- \* The system continuously monitors the specified error log file path, updating classifications in real-time as new logs are generated.
- \* Utilized machine learning models, including Random Forest and XGBoost, for high accuracy in classification.
- \* Implemented troubleshooting pages for each error type, enhanced by LLaMA 3.1 with 8.1B parameters to provide contextual solutions and guidance.

## AI/ML PROJECTS

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### **AI Agentic search engine** | *Langchain, langGraph, Serper, Scraper* | [Deployed](#) ([Github](#))

- \* Developed an Agentic workflow which built on Langgraph
- \* It has multiple nodes Planner, Selector, Reporter, Reviewer, Router and FinalReport
- \* It leverage Serper and Scraper to Fetch data from the internet and give a consise and accurate output using the power of LLMs.

### **EduPlus Chatbot** | *Langchain, FAISS, LLaMA 3.1 (70B params), streamlit* | [Deployed](#) ([Github](#))

- \* Developed an advanced chatbot designed to assist students with inquiries related to EduPlus ERP software, enhancing their user experience and accessibility.
- \* Implemented a Retrieval-Augmented Generation (RAG) architecture, leveraging FAISS for efficient vector-based search and context retrieval, combined with LLaMA 3.1 (70b) for generating accurate and contextual responses.

## WEB PROJECTS

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### **TechMart** | *React, Node, Express, OAuth, MongoDB* | [Deployed](#) ([Github](#))

- \* Developed a Website where you can sell and buy electronics.
- \* Used OAuth (google signin), for authentication along side conventional username password auth.
- \* Allows to create ads and manage ads, also allows changing user information

### **Internship Details Management System** | *MySQL, Express, Node, React, Zod* |

- \* Developed a comprehensive management system for a college to handle students' internship details effectively.
- \* Designed and implemented a custom query handler, enabling versatile database queries for various data retrieval needs.
- \* Configured data ingestion from Excel files and direct student inputs, allowing for customized report generation based on college-specific requirements.
- \* Deployed the frontend on Vercel for easy access, while hosting the backend on college infrastructure.

## VOLUNTEERING

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### **Member at PICT MUN**

Jan 2023 – Sept 2023

*Team Marketing*

### **Member at PICT EDC**

Sep. 2023 – Feb 2024

*Team Publicity and Operations*

### **Member at PICT IEEE**

Jan 2023 – Present

*Technical Team*

## ACHIEVEMENTS

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**Hackathons** : Finalist in COEP Hackathon