

# TANUJ RATHORE

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## EDUCATION

- **BTech in Information Technology**  
YCCE, Nagpur | GPA: 7.34

Maharashtra , India  
Jul 2020 - Jul 2024

## EXPERIENCE

### Fendahl International

Nagpur , India

*Software Engineer* | C#, SQL Server, Javascript, .Net 5 , MVC, EF Core , AJAX , REST API, SignalR

Jan 2025 – Present

- **Market Data Module:** Developed and maintained the market data module, an important section of trade that regulates the price history and their changes for each curve. Optimize data handling and validation logic. **Reduced defects count by 50%**, enables users to create trades smoothly based on reliable market data.
- **Optimized Data Grid Performance:** Reduces layout rendering time by 20% in Devextreme DataGrid by implementing asynchronous API calls. Additionally, implemented server-side pagination ,enabling users to navigate data seamlessly by page size.
- **Performance Optimization & Caching :** Improved code reusability and reduced redundant API calls by implementing in-memory caching and Redis Caching, Resulting 15% faster server response time.
- **Implemented AES Encryption** for network calls between frontend and backend, ensuring secure transmission of sensitive trade data. Achieved 100% encryption coverage, reducing identified vulnerabilities in penetration testing.

*Software Engineer Trainee* | C#, SQL Server , Javascript , .Net 5 , MVC

Jul 2024–Jan 2025

- **Independent Module Ownership:** Integrated the import and export functionality to the existing application and enhance the functionality of layout changes and **reduce the layout change time by 50 %**, enables users to smoothly switch between the layouts.
- **Module Enhancements :** Developed and integrated a **Financial Statement Reference module** to streamline the execution of paper and physical trades, reducing manual effort and enabling accurate tracking of user transactions throughout the trade cycle.

*Software Engineering Intern* | .Net 8 , EF Core , C#

Feb 2024 - Jul 2024

- Led a team of 21 interns, orchestrating project delivery and ensuring on-time, high-quality output. Participated in system architecture and database tuning. Took ownership of Human Resource Management System (HRMS) modules including **User Profile, Leave Management, and Attendance Tracking**

## PROJECTS

**CHATBOT** | .Net 9, Python , VectorDB , Qdrant , OpenAI API , REST API , C# , Docker

[Github](#)

- Developed a product-specific AI chatbot leveraging the **Retrieval-Augmented Generation (RAG)** architecture.
- Optimized structured product json into flat text summaries for semantic embedding and reducing network payload by 20 %.
- Developed a Python-based microservices using Flask and SentenceTransformers (MiniLM-L6-v2) to generate local text embeddings
- Stored and managed high-dimensional vectors in **Qdrant**, enabling efficient semantic search and similarity-based product retrieval.

## SKILLS

**Technical & Cloud Skills :** C#, Python, C++, JavaScript, SQL, Bootstrap 4, PostgreSQL, Redis, Git, Agile, Typescript, Responsive UI Azure Fundamental (Azure Storage, Azure Function , Azure VM's , Azure SQL, Azure App Service, Load Balancer, VNets).

**Frameworks and Libraries:** .NET Core, React Js , Entity Framework Core , SignalR , ADO Dotnet , jQuery, Redux. Next Js

**Soft skills :** Technical Communication , Cross-Team Collaboration, Ownership, Accountability.

## ACHIVEMENTS

- **Microsoft Azure Fundamental (AZ 900) , Microsoft | Nov 2025**