

# Eesh Khanna

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Portfolio: eeshkhanna.me

GitHub: github.com/Eesh-487

## Education

- **Bachelor of Technology (B.Tech) in Computer Science and Engineering**

Manipal University Jaipur

CGPA: 8.36

August 2022 – Present

- **High School**

Delhi Public School, Vasant Kunj

Class 12: 90% Class 10: 87%

April 2008 – May 2022

## Technical Skills

- **Languages:** Python, JavaScript, SQL, HTML, CSS
- **Frameworks:** TensorFlow, Keras, PyTorch, Scikit-learn, LangChain, PennyLane, ReAct
- **Tools/Platforms:** Flask, Node.js, Express.js, ReactJS, MongoDB, MySQL, RESTful APIs, OAuth, Multer, Postman, Git
- **Environments:** Jupyter Notebook, Anaconda, Visual Studio

## Professional Experience

- **Summer Intern**

Dell Technologies, Bengaluru, India

*Tech Stack:* Python, Flask, ReAct Agentic AI Framework, LangChain, LangGraph, REST APIs

- Designed and deployed agentic AI workflows to automate supply chain operations, reducing manual effort by 70%.
- Integrated intelligent agents into logistics platforms using MCP servers, enabling real-time query resolution and anomaly detection.
- Collaborated across product and engineering teams to iteratively refine agent behavior through test-driven development and continuous feedback.

May 2025 – July 2025

- **Full-stack Development Intern**

ThirdEye-AI (A JBM Group Company), Gurugram, India

*Tech Stack:* Node.js, Express.js, MySQL, React.js, Multer

- Built a document management platform with secure file handling and RBAC-based API access, improving data governance and upload reliability.
- Improved backend efficiency and maintainability by modularizing routes and optimizing SQL queries for faster retrieval.

July 2024 – August 2024

## Technical Projects

- **Disaster Reporting Tool**

disasterfront.vercel.app

- Built a location-based disaster reporting platform with real-time event verification using an ensemble validation algorithm.
- Developed REST APIs and relational data models to enable efficient report storage, query, and filtering using MySQL.

ReactJS, NodeJS, ExpressJS, MySQL, GeminiAPI

- **Quantum-Enhanced LSTM Forecasting Model**

- Designed a hybrid LSTM time-series model with a custom Quantum-Enhanced Adam Optimizer, improving prediction accuracy by 7% on financial datasets.

TensorFlow, PennyLane, Python

- Leveraged PennyLane quantum circuits to generate parameterized gradients for adaptive learning.

- **ML-based Certification Support Tool**

- Developed a text classification and similarity system to support aircraft modification (Mod) classification and requirement mapping.
- Created NLP pipelines for Mod-to-regulation mapping using TF-IDF and BERT-based vector similarity search.

Python, Scikit-learn, TensorFlow, NLP, Streamlit

- **LegalBot – LLM-powered Legal Document Assistant**

- Built an AI assistant for legal documents using LangChain and RAG, allowing users to query contracts and policies in natural language.

LangChain, FAISS, Python, OpenAI API, Streamlit

- Implemented document chunking, vector embedding with FAISS, and a Streamlit UI for semantic search and clause retrieval.

- **Stock Portfolio Analytics Platform**

stocks-frontend-wheat.vercel.app

- Developed a full-stack platform for real-time stock portfolio management, performance analytics, and risk assessment with live market data integration.

Node.js, Express.js, PostgreSQL, React.js, Yahoo Finance API

- Engineered backend services for portfolio optimization, historical performance tracking, and dynamic asset allocation visualization.

## Certifications

- Data Structures and Algorithms in Java — NPTEL (IIT Kharagpur)
- Software Testing — NPTEL (IIT Kharagpur)

## Additional Skills

**Languages:** English, Hindi, German