Eesh Khanna

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Education

- **Bachelor of Technology (B.Tech) in Computer Science and Engineering**
  Manipal University Jaipur *August 2022 – Present*
  CGPA: 8.36
- **High School**
  Delhi Public School, Vasant Kunj *April 2008 – May 2022*
  Class 12: 90%
  Class 10: 87%

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** *May 2025 – July 2025*
  Dell Technologies, Bengaluru, India
  Tech Stack: Python, Flask, reAct Agentic AI Framework, Langchain, Langraph, REST APIs, MongoDB
  - 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.
- **Full-stack Development Intern** *July 2024 – August 2024*
  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.

Technical Projects

- **Disaster Reporting Tool** *ReactJS, NodeJS, ExpressJS, MySQL, GeminiAPI*
  Live Demo
  - 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.
- **Quantum-Enhanced LSTM Forecasting Model** *TensorFlow, PennyLane, Python*
  - Designed a hybrid LSTM time-series model with a custom Quantum-Enhanced Adam Optimizer, improving prediction accuracy by 7% on financial datasets.
  - Leveraged PennyLane quantum circuits to generate parameterized gradients for adaptive learning.
- **ML-based Certification Support Tool** *Python, Scikit-learn, TensorFlow, NLP, Streamlit*
  - 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.
  - Designed a Streamlit dashboard enabling engineers to query similar past mods and predict regulatory involvement levels.

Certifications

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

Additional Skills

Languages: English, Hindi, German