

KHUSHI SAINI

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EDUCATION

Motilal Nehru National Institute of Technology, Allahabad <i>B.Tech in Electronics & Communication Engineering</i>	November 2021 – June 2025 <i>CPI: 7.12</i>
Malviya Convent School, Jaipur <i>All India Senior School Certificate Examination (AISSCE)</i>	March 2020 – April 2021 <i>95.4 %</i>
St.Mary's Convent Sr. Sec. School, Jaipur <i>All India School Certificate Examination (AISCE)</i>	March 2018 – April 2019 <i>95.2 %</i>

EXPERIENCE

Machine Learning Intern <i>Naval Innovators</i>	August 2025 – Present <i>Remote</i>
<ul style="list-style-type: none">Deployed a full-stack AI data pipeline to automatically parse exam papers, leveraging a multimodal LLM for high-accuracy OCR, LangChain to map questions against curriculum data, and LangSmith for performance tracing and cost optimizationArchitected a RAG application using Python (FastAPI) and LangChain to deliver source-verifiable answers from a MongoDB knowledge base queried via a Pinecone vector index.Tech Stack : Python, FastAPI, Streamlit, MongoDB, LangChain, LangSmith, Pinecone.	

PROJECTS

RAG Document Q&A Application Github	January 2025
<ul style="list-style-type: none">Tools and Technologies Used: Python, Streamlit, LangChain, FAISS, OpenAIDeveloped an end-to-end Streamlit RAG app that ingests PDFs, extracts text, and splits content into chunks using LangChain for indexing.Indexed chunks in a FAISS vector store for fast semantic retrieval and built a retrieval pipeline that answers questions strictly from retrieved context.Integrated user-friendly features in Streamlit: session-based chat history, processing status messages, streaming responses, and robust error handling.	
Expensify Github	January 2024
<ul style="list-style-type: none">Tools and Technologies Used: Express.js, Node.js, MongoDB, React.js.Developed a comprehensive MERN stack application to serve as a personal expense and income tracker, featuring a clear separation between the frontend client and backend server.The application allows users to easily add, view, and delete income and expense transactions through a clean and intuitive interface. It features a clear navigation sidebar for seamless movement between sectionsThe backend is built with a modular structure that separates routes, controllers, and models, supporting efficient management of financial records	
Contact Keeper Github	June 2024
<ul style="list-style-type: none">Tools and Technologies Used: Node.js, Express.js, MongoDBDeveloped a robust user functionality feature that enabled secure contact list management, incorporating authentication and CRUD operations with MongoDB storage.Implemented JWT for secure user authentication, alongside middleware for error handling.	

TECHNICAL SKILLS

Languages: Python, C++, C
Backend: Node.js, Express.js, FastAPI
Generative AI Frameworks: LangChain, LangSmith
Frontend/UI: Streamlit, Gradio, React
Clouds & Databases: MongoDB, SQL, Pinecone
Developer Tools: VS Code, Jupyter Notebook, Google Colab, Postman
Relevant Courses: Machine Learning, Deep Learning, Retrieval-Augmented Generation(RAG), Object Oriented Programming, DBMS, Data Structures & Algorithm