



Shubham Khatri

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EDUCATION

Course	College / University	Year
B.Tech (Instrumentation and Control Engineering)	Netaji Subhas University of Technology	2024–28
Class XII (CBSE)	DAV Centenary Public School, Narela	2023

TECHNICAL SKILLS & TOOLS

- **Tools & Platforms** – GitHub, FAISS, Figma, Android Studio
- **Data Structure and Algo** – Arrays, Binary Search, Strings, Linked List, Bit Manipulation, Stack and Queues, Sliding Window Two Pointer, Heaps, Greedy Algorithms, Tries;
- **Languages** – Python, C++, Java, HTML, Css, JavaScript, SQL, Golang, Typescript;
- **ML/AI** – TensorFlow, Scikit-Learn, LangChain, Pandas; feature engineering, model evaluation (R^2 , accuracy), RAG pipelines, embeddings, vector search (FAISS);
- **App & Backend Development** – Flutter (Android), Flask, Streamlit, REST APIs, MongoDB, Docker;

PROJECTS

- **Fluentiq – RAG-Powered Document Q&A System**
 - Developed a Retrieval-Augmented Generation (RAG) system for document-based question answering
 - Implemented FAISS vector search with optimized chunking, achieving **50% lower latency**
 - Tech Stack: Python, LangChain, FAISS, Streamlit, Google Gemini API
- **Chakra-cyan – Blockchain-Based Supply Chain Transparency (Agri)**
 - Built blockchain and smart-contract based farm-to-retail traceability platform
 - Integrated AI voice chatbot with regional language support for prices and payment tracking
 - Implemented QR-based digital identity and reward-based credibility system
 - Tech Stack: Ethereum / Hyperledger, NLP, Speech-to-Text, SQL, APIs, Cloud Deployment
- **F1 Constructor Performance Predictor**
 - Developed an ML-based web app to predict constructor points using historical race data
 - Engineered **15+ features**; achieved $R^2 > 0.85$
 - Tech Stack: Python, Scikit-Learn, Pandas, Plotly, Streamlit

EXPERIENCES

- **Research Intern | Delhi Technological University (DTU)** (July 2025 – September 2025)
 - Conducted research on image enhancement using deep learning and classical mathematical techniques, including LNet, Zero-DCE, CNNs, and Transformer-based approaches, and contributed to gap analysis and experimentation planning

POSITIONS OF RESPONSIBILITY

- **Joint Secretary | IEEE NSUT** 2024–Present
 - Organized technical workshops and events focused on AI/ML and core engineering
- **Event Management Coordinator | Innovision, Resonanz & Moksha (NSUT)**
 - Managed logistics, promotions, ticketing, and inter-team coordination

ACHIEVEMENTS & CERTIFICATIONS

- 3rd Place – Machine Learning Bootcamp, IEEE NSUT
- Machine Learning Specialization – Andrew Ng (Coursera)
- Deloitte Australia – Data Analytics Virtual Internship (Forage)