

Aamin Simmi Singh

Computer Science Engineer, Frontend Strategist, AI/ML Enthusiast
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EDUCATION

Babu Banarasi Das University <i>B.Tech in Computer Science and Engineering</i>	Lucknow, UP Aug 2023 - Present
Army Public School, Saugor <i>Class XII (CBSE Board)</i>	Sagar, MP 2022

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C, C++
- Web Technologies:** HTML, CSS, JavaScript, React
- Data Science & ML:** Pandas, NumPy, Matplotlib, Seaborn, Folium, ARIMA, LSTM, Jupyter
- Tools & Platforms:** Git, GitHub, MySQL, IoT (Arduino), Windows CLI
- Core Concepts:** Data Structures (Trees, Graphs), Algorithms, System Design

PROJECTS

VisionMeter <i>Eye testing and color vision analysis tool</i>	Web Application 2024
- Developed an interactive React-based diagnostic tool featuring AI-powered voice recognition for hands-free operation. - Integrated automated PDF report generation to provide users with instant, downloadable visual health summaries. - Live Link: visionmeter.netlify.app	
KAVACH - Safety Alert System <i>Voice-activated emergency response system for women</i>	IoT/Hardware 2024
- Engineered a hands-free safety device that detects predefined distress commands to trigger real-time alerts. - Implemented instant location sharing to emergency contacts, reducing response time in critical situations. - GitHub: KAVACH01	
RAG-Based AI Chatbot <i>Retrieval-Augmented Generation assistant for technical docs</i>	AI/ML 2024
- Architected an intelligent chatbot capable of parsing complex PDFs to provide accurate, context-aware answers. - leveraged Generative AI to synthesize technical information, enhancing accessibility for educational resources. - GitHub: RAG Chatbot	

HACKATHONS

Smart India Hackathon (SIH 2024) <i>Museum Ticketing System - Frontend Flow Designer</i>	National 2024
- Ideated and structured user flows for a multilingual chatbot-based ticketing system to replace manual queues. - Collaborated on frontend strategy to ensure compliance with government usability and accessibility standards.	
PRAMAAN <i>AI Financial Reporting System - Data Visualization Lead</i>	TechKriti, IIT Kanpur Mar 2025
- Spearheaded data cleaning pipelines and visualization strategies to simplify complex financial narratives. - Researched regulatory report formats to optimize LLM training data, ensuring high factual accuracy in automated reports.	

Vaayu Darshak*Hyperlocal AQI ML App - Domain Researcher*

Bhartiya Antariksh Hackathon, ISRO

Jul 2025

- Led research on air quality indices to design emergency health advisory features for underserved rural areas.
- Collaborated on hybrid ARIMA+LSTM model integration to deliver accurate forecasts in low-data environments.

MANOBAL*Student Mental Health Platform - Experience Designer*

Smart India Hackathon (SIH 2025)

2025

- Designed empathetic onboarding flows connecting students, counselors, and admins on a unified platform.
- Structured the UI architecture for AI chat and booking interfaces to prioritize user privacy and ease of access.

CERTIFICATIONS**Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate***Supervised/Unsupervised Learning, GenAI, LLMs, OCI Services*

Oracle

2025

Data Visualization with Python*Data Analysis, Matplotlib, Seaborn, Pandas*

IBM

May 2024

Microsoft Learn Achievement Badge*Continuous Learning & Technology Stack Mastery*

Microsoft

2024

Robots are coming! Build IoT apps with Watson*IoT Architecture, Node-RED, Arduino Integration*

IBM

2023

L'Oréal Challenge - Certificate of Participation*Industry Problem Solving, Strategic Ideation*

L'Oréal

2024