

PARTH GARG

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EDUCATION

GLA University | *B.Tech CSE (Specialization: AI & Analytics)* -- Expected 2027

Mathura, Uttar Pradesh, India

Sony Academy Senior Secondary School | *Senior Secondary (PCM)* -- 97% -- 2022

Bharatpur, Rajasthan, India

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, FastAPI, Flask, TensorFlow, Scikit-Learn, PySpark, Tailwind CSS

Developer Tools & Databases: Git, GitHub, MongoDB, MySQL, Three.js, GSAP, Socket.io, WebRTC, FAISS, Kafka

Core CS Fundamentals: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), DBMS, Operating Systems

EXPERIENCE

Microsoft Edunet Foundation | *AI/ML Developer Intern* -- June 2025 - July 2025

- Architected a 4-algorithm hybrid movie recommendation engine combining Collaborative Filtering, Content-Based Filtering, Deep Learning, and Ensemble models across 1,770+ movies.
- Deployed a high-performance RESTful API using FastAPI and TensorFlow, achieving **sub-100ms response times** and boosting recommendation accuracy by **15%** over baseline models.
- Engineered real-time similarity metrics and evaluation pipelines, delivering a personalized user experience with **92% user satisfaction**.

SoftPro India Pvt. Ltd. | *AI/ML Engineering Intern* -- June 2025 - August 2025

- Designed modular data preprocessing pipelines for multi-source structured datasets, optimizing feature extraction and missing value imputation.
- Experimented with supervised ML models (Random Forest, XGBoost, Scikit-learn), improving model predictive performance metrics via hyperparameter tuning.
- Collaborated on end-to-end integration of predictive ML modules into production application backends with unit testing.

FEATURED PROJECTS

Earth Travels India | *Next.js 14, TypeScript, Three.js, GSAP, Tailwind CSS, Lenis*

- Engineered a production luxury travel platform featuring a custom 3D WebGL world map (Three.js) rendering 50+ destination nodes and Mathura-originating animated flight arcs.
- Integrated 60fps momentum scrolling (Lenis), GSAP ScrollTrigger animations, multi-step quote builder, and 1-click WhatsApp API booking workflows.

3D AR Indoor Navigation System | *Unity 3D, Immersal SDK, C#, Python (A*), XR*

- Built markerless AR indoor wayfinding using Immersal VPS for high-precision visual localization where GPS signals fail.
- Developed custom Python A* pathfinding algorithm for optimal graph routing and turn-by-turn 3D AR waypoint overlays.

CodeMesh -- Real-Time Collaborative Code Editor | *React, Node.js, Socket.io, Monaco, WebRTC*

- Built multi-user collaborative code editor with real-time WebSocket synchronization, code execution, and room management.

NCB -- No Code Backend Platform | *React, React Flow, Express, Gemini API, JWT*

- Created visual drag-and-drop node editor to design backend workflows and auto-generate production-ready Express APIs.

ACHIEVEMENTS & CERTIFICATIONS

LNM Hacks 7.0 (LNMIIT Jaipur): Ranked in **Top 20 teams** out of 500+ participants in 72-hour national hackathon (Web3/Solana).

Hack & Viz 2.0 (GLA University): Ranked in **Top 10 teams** in 48-hour university flagship hackathon.

Competitive Programming: Solved **400+ DSA problems** on LeetCode; HackerRank Certified in Problem Solving & Java.

Leadership: Event Team Head at Datum Club (GLA University) -- led planning & execution for major university tech events.

Certifications: Oracle Certified Data Science Professional, Oracle Certified AI Foundation Associate, Oracle Certified Foundations Associate (Agentic AI), Generative AI (Udemy), Neural Networks & Deep Learning.