# Kanish Paul

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## Professional Summary

B.Tech CSE (AI & ML) student focused on Agentic AI, multi-model architectures, and full-stack systems, active builder in the modern tech ecosystem with good foundations in Data Structures, Algorithms, Object-Oriented Programming, System Design, etc. Participated in various online hackathons and build-in-public events. Trying to become consistent in multiple tech domains..

## Education

| Course Name | Institute Name | University Name | Year of Passing | Score Details (%/CGPA) | Course Type |
|---|---|---|---|---|---|
| B.Tech CSE (AI&ML) | Institute of Engineering & Management (IEM) | University of Engineering & Management (UEM) | 2027 | 7.78 CGPA | Full-time |
| 12th | St Francis Xavier School | Council for the Indian School Certificate Examinations | 2023 | 81.25% | Full-time |
| 10th | St Francis Xavier School | Council for the Indian School Certificate Examinations | 2021 | 88.60% | Full-time |

## Technical Skills & Core Competencies

- **Core Proficiencies:** Data Structures & Algorithms, Object-Oriented Programming (OOP), System Design
- **Languages:** Java, Python, TypeScript, JavaScript, SQL, Solidity, Rust, C, HTML5, CSS3
- **Frameworks & Libraries:** Next.js, React, RestAPI, Spring Boot, PyTorch, OpenCV, Tailwind CSS, Tensorflow, LangChain, LangGraph
- **Developer Tools & Cloud:** Git/GitHub, AWS, Vercel, Supabase, Linux/WSL, Remix, VSCode, Render, Railway, Figma, Framer, Flutter, MongoDB, FalkorDB

## Technical Projects

**ACE - AI Contextual Editor** | *Supabase, FalkorDB , Pupetter*
- Building an online IDE that makes based on context and retains it until the final product is complete
- Context visualization of the whole codebase, along with online code and review
- Headless browser using Pupetter that runs LLMs without API keys

**Chess-Laya – Hybrid AI Engine** | *TypeScript, Gemini* link
- Designed a hybrid chess system running parallel with Minimax, Laya(**Indian OOS alternative of Jev**), and Gemini 2.5 Flash.
- Constructed real-time move validation and dynamic state synchronization with **sub-second decisions** during gameplay.

**AXI – Web3 Decentralized Service & Product Marketplace** | *Solidity, Web3, Next.js* link
- Built a decentralized freelance and product marketplace utilizing non-custodial blockchain **escrow smart contracts** for secure settlements.
- Integrated automated dispute resolution logic and cryptographic signature verification for trustless buyer-seller transactions.

**Autonomous Search & Rescue AI Drone** | *Raspberry Pi 5, AI Hat+, YoloV8, OpenCV*
- Configured an onboard edge vision pipeline executing real-time human and obstacle detection at **28–30 FPS**.
- Budget drone build that was **fully-funded** by the university.

## Certifications

**AI Upskilling: Hands-On Development from Model to App** | *Qualcomm Academy & Arduino* **Sept 2026** | link
- Learned to **train and test model** with Arduino Uno.

**AWS Cloud Practitioner Quest** | *Amazon Web Services* **Mar 2026** | link
- Learnt how to to use services like AWS **S3**, **VPC** and **EC2**.

**Deloitte Data Analytics Virtual Internship** | *Forage* **June 2025** | link
- Learnt how to use data on Tableau.

## Interests

- **DSA Problem Solving:** Solved **100+ problems** on LeetCode that include mostly arrays and string related questions.
- **Freelance Video Editing:** Produced fast-paced, high-retention short-form video content using CapCut and Canva.
- **D2C Copywriting & Cold Outreach:** Executed data-backed cold email sequences and outbound lead generation funnels.