

KANISH PAUL

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PROFESSIONAL SUMMARY

B.Tech CSE (AI & ML) undergraduate with a proper understanding of Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), and software development. I build scalable full-stack web applications and seamlessly integrate complex AI/ML models into production-ready systems. Proficient in Java, Python, SQL, JavaScript, HTML5, and CSS3, with real-world experience designing efficient relational database schemas and using robust CRUD operations in MySQL. I consistently apply clean coding practices and leverage Git-based version control to deliver reliable, and maintainable software solutions.

EDUCATION

Institute of Engineering and Management (IEM), Kolkata	2023 – 2027
B.Tech Computer Science and Engineering (AI & ML)	CGPA: 7.7 (till 5th sem)
St Francis Xavier School	2023
ISC (Class XII) - 81.25%	
St Francis Xavier School	2021
ICSE (Class X) - 88.60%	

TECHNICAL SKILLS

Programming: Java, Python, SQL, JavaScript, HTML5, CSS3

Subject of Interests: Object-Oriented Programming (OOP), Design Principles, Data Structures & Algorithms (DSA)

Backend & Frameworks: Spring Core, REST APIs, Maven

Frontend & Web Technologies: React, TypeScript, SEO Optimization

Databases: MySQL, Relational Database Management Systems (RDBMS)

AI/ML & Tools: TensorFlow, Scikit-learn, OpenCV, GIT, GitHub, Docker, Google Cloud, Github Copilot

PROJECTS

TrustCall – Real-Time Scam Detection System

- Full-stack project built using TypeScript.
- Utilized WebSockets in the backend for real-time communication.
- Implemented DistilBERT as the NLP classification model.

BrainSightAI – Tumor Detection Platform

- Full-stack project developed using React
- Utilized DenseNet and ResNet architecture for the model
- Used Grad-CAM for heatmap visualization.

Low-Cost AI Drone

- Built a budget friendly AI drone for search and rescue operations.
- Utilized Raspberry Pi 5 for real-time processing and identifying rescue-seeker.

INTERNSHIPS & CERTIFICATIONS

Deloitte Data Analytics Simulation: Performed data classification and visualization using Tableau.

AWS Cloud Quest: Learned cloud computing basics including AWS S3, VPC, EC2, etc.

Blockchain Basics (Cyfrin Updraft): Learned Solidity and foundational blockchain architecture.

HOBBIES

Physical Fitness: Keeps me disciplined and helps me maintain consistency in all domains.

Chess: Helps with strategic thinking, patience, and problem-solving skills.

Coding: Passionate about building projects, solving algorithmic challenges, and exploring new technologies.