

Rahul Sharma

rahulsharma.hps@gmail.com | +91-6396165371 | linkedin.com/in/rahulsharma2k4 | github.com/rahulsiitm | rahul.aishtrex.com

EDUCATION

B.Tech in Computer Science & Engineering (AI & Data Science)

Imphal, Manipur | 2023 – 2027

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, MANIPUR

Coursework: Artificial Intelligence, Data Science, Database Management Systems, Advanced Distributed Systems, Data Structures & Algorithms, Operating Systems, Computer Networks

Higher Secondary Education | 93.4%

Agra, Uttar Pradesh | 2022

HOLY PUBLIC SCHOOL

WORK EXPERIENCE

ALIVEHIRE | UI/UX DESIGNER INTERN

Remote | Jun 2025 – Aug 2025

- Designed **30+ UI components** in Figma, reducing on-boarding time by **20%** increasing conversions by **12%**.
- Built a design system with **3D resume designs** templates, ensuring **95% cross-platform consistency**.
- Produced web assets (**promotional videos**) streamlined design handoff, reducing implementation time by **30%**.

PROJECTS

AGRIHIVE – AI-POWERED FARMING ADVISORY PLATFORM

MAR 2025 – JUN 2025 |

FLUTTER, FIREBASE, TENSORFLOW, GEMINI API

- Engineered a plant disease detection system using **TensorFlow (CNN)**, achieving **92% classification accuracy**.
- Integrated **Gemini API** **OpenWeather API** to provide multilingual, real-time crop recommendations.
- Architected a scalable, **offline-first Firebase** backend to support **100+ concurrent users** with **<10s response time**.

AEGIS – SECURE LOG MANAGEMENT SYSTEM (FOR CRPF)

AUGUST 2025 – PRESENT |

FLUTTER, FIREBASE (FIRESTORE), DART

- Developing a **mission-critical**, secure app for the CRPF using **Flutter** and **Firebase (Firestore)**.
- Designing a **real-time data visualization dashboard** for instant log monitoring and analysis.
- Engineering secure Firebase data models and rules to support future **AI-driven anomaly detection**.

AUTONOMOUS DRONE NAVIGATION MODULE

NOV 2025 – PRESENT |

PYTHON, ROS, GAZEBO, OPENCV, SLAM

- Developing an autonomous UAV navigation system in **Gazebo** using **ROS (Robot Operating System)**.
- Implementing **SLAM** algorithms for real-time localization and persistent mapping.
- Integrating **OpenCV CNNs** for in-flight obstacle avoidance and target detection.

ADDITIONAL ENGINEERING PROJECTS

LANGCHAIN, FLASK, PHP, HTML/CSS

- Walmart Guidance Bot:** AI chatbot (**LangChain**, **Gemini API**, **Flask**, **PostgreSQL**) for semantic product search.
- PDF to Excel Extractor:** Python script using **Pandas** and **PyPDF2** to parse PDF tables and export to Excel.
- Contact Management System:** Built a full-stack **CRUD** application (**PHP**, **MySQL**) with secure user authentication.

TECHNICAL SKILLS

Languages: Python, JavaScript, PHP, SQL, C++

AI/ML & Data: TensorFlow, Scikit-learn, LangChain, LLMs API, NLP, Computer Vision, CNN, Pandas, NumPy

Web & Mobile: Flutter, Flask, REST APIs, HTML/CSS, Bootstrap, Responsive Design

Databases: PostgreSQL, MySQL, Firebase, Firestore

Tools & Platforms: Git/GitHub, Docker, Figma, Vercel, Postman, VS Code