

Rahul Sharma

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EDUCATION

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

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, MANIPUR

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

Imphal, Manipur | 2023 – 2027

Higher Secondary Education | 93.4%

HOLY PUBLIC SCHOOL

Agra, Uttar Pradesh | 2022

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