

Aayush Maheshwari

✉ aayushmaheshwari321@gmail.com | 📞 +91-7023092083 | 🌐 GitHub | 🌐 LinkedIn

EDUCATION

- | | |
|---|------------------|
| • Jodhpur Institute Of Engineering and Technology | 2023-2027 |
| <i>B-Tech in CSE (Artificial Intelligence & Machine Learning)</i> | CGPA: 9.0 |
| • Holy Spirit Senior Secondary School | 2021-2023 |
| <i>Rajasthan State Board Of Education (Class XII)</i> | Percentage: 80.3 |

SKILLS

Languages: C, Python, Java, Prolog, SQL

AI/ML Technologies: Machine Learning, Deep Learning, NLP, Generative AI

Full Stack: HTML5, CSS3, React, Tailwind CSS, Node.js, Flask

Developer Tools: Git, GitHub, VS Code, Jupyter, Google Colab, Postman

Frameworks & Libs: NumPy, Pandas, PyTorch, TensorFlow, Sci-kit

Cloud/Databases: AWS (EC2, S3, IAM), MySQL

Core Coursework: Data Structures, DBMS, Operating Systems, Computer Networks, AI, DL

INTERNSHIP

- | | |
|--|-----------------------|
| • Maxgern Technologies Pvt. Limited | July 2024 - June 2025 |
| <i>Engineering Intern</i> | Pune, MH |
| – Assisted in deploying cloud infrastructure using AWS (EC2, S3, EBS) and managed secure IAM policies. | |
| – Developed dynamic web applications on EC2, integrating scalable storage volumes for data operations. | |
| • Internshala | Oct 2023 - Dec 2023 |
| <i>Web Developer Intern</i> | Remote |
| – Designed and developed full-stack website architectures with responsive frontends using JavaScript. | |
| – Implemented backend workflows and database operations for secure user authentication features. | |

PROJECTS

- **AI HR ATS Manager** | *Python, LLM, Deep Learning, React, MySQL, Flask*
 - Built an end-to-end AI-powered Applicant Tracking System with a React dashboard to automate resume screening, candidate ranking, and hiring workflow management.
 - Engineered a PDF/DOCX resume parser using LLM and Deep Learning models to extract structured candidate data including skills, experience, and qualifications with high accuracy.
 - Designed a multi-candidate comparison engine that ranks applicants against a job description using semantic similarity scoring, enabling data-driven shortlisting decisions.
 - Implemented a keyword and skill-gap analysis module that identifies missing competencies in a resume and generates actionable improvement suggestions tailored to the target role.
 - Architected a MySQL backend to persist candidate profiles, ATS scores, and job postings, with a RESTful Flask API serving the React frontend.
- **Jarvis X – AI Voice Assistant** | *Python, Speech Recognition, OpenAI*
 - Built a voice assistant utilizing speech-to-text and GPT-based NLP for intelligent task automation.
 - Integrated system-level controls and web search capabilities for hands-free user interaction.
- **AI-Powered Micro-Transaction Fraud Detection System** | *Python, LSTM, GNN, Kafka, FastAPI, Redis, Streamlit*
 - Developed a real-time micro-transaction fraud detection system using LSTM and Graph Neural Networks (GraphSAGE).
 - Built a low-latency data pipeline with Kafka and FastAPI for real-time transaction analysis.
 - Implemented a Redis-based feature store to track user transaction history for sequential pattern detection.
 - Applied LSTM for anomaly detection and GNNs to identify fraud rings and hidden relationships.
 - Designed an interactive Streamlit dashboard to visualize fraud alerts and risk scores in real time.

CERTIFICATIONS & PROFESSIONAL TRAINING

- | | |
|--|--|
| • IBM: AI Watsonx Agent Orchestrate | • IIT Bombay: Techfest Achievement |
| • Microsoft: Power BI Data Analyst | • Cisco: Generative AI Specialization |
| • Google: Professional Data Analytics | • BE10: AI Tools & Productivity |
| • Internshala: Freelance Web Dev | • AWS: Cloud Foundations Training |