

MOHIT JAKHAR

+91 8800633570 — mohitjakhar541@gmail.com — linkedin.com/in/mohit-jakhar-45432a257 —
github.com/Mohit110861

SUMMARY

Final-year B.Tech Computer Science (AI) student at NSUT Delhi with strong foundations in Software Engineering, Backend Development, and Data Science. Skilled in building scalable backend systems, predictive ML models, and big data pipelines using Python, Java, SQL, PySpark, and Spring Boot. Currently working as a Software Intern at CRIS (Ministry of Railways). Passionate about building impactful tech solutions and delivering real-world business value.

EDUCATION

B.Tech in Computer Science and Artificial Intelligence

Expected Mar 2026

Netaji Subhas University of Technology (NSUT), Delhi

Relevant Coursework: Data Structures, Algorithms, OS, DBMS, Machine Learning, System Design

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL, R, C++
- **Frameworks & Tools:** Spring Boot, REST APIs, Docker, Git, Kafka, PySpark
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Hive
- **AI/ML:** scikit-learn, pandas, NumPy, Feature Engineering, Model Evaluation
- **Others:** Big Data, Data Pipelines, ETL, Cloud Workflow, Agile

EXPERIENCE

Software Engineering Intern — CRIS (Centre for Railway Information Systems)

June 2025 – Present

Ministry of Railways, Government of India

- Worked on backend systems for real-time railway ticketing and freight data handling.
- Developed RESTful services using Java Spring Boot and PostgreSQL.
- Enhanced data ingestion and caching performance with Redis and optimized workflows.

KEY PROJECTS

Credit Risk Modeling System

2025

Built predictive models using PySpark and Python to assess loan default risk from large datasets.

- Implemented Random Forest XGBoost, engineered features, and evaluated models using AUC, KS.
- Automated model scoring via distributed PySpark pipelines.

AI-Driven Customer Collections Optimization

2024

Explored LSTM and reinforcement learning to optimize financial recovery strategies.

- Designed RL reward functions for customer risk profiling and prioritization.
- Proposed insights to improve delinquency forecasts and collection efficiency.

Commercial Data Integration Platform

2024

Created data pipelines and KPIs dashboards from bureau and internal credit datasets.

- Used Hive, SQL, PySpark for cleansing, joining, and aggregating records.
- Deployed anomaly detection using statistical process control charts.

BookVerse — Full-Stack Web App

2023

Developed a book recommendation and review platform.

- Backend: Java, Spring Boot, PostgreSQL — Frontend: HTML, CSS, JS
- Implemented user auth, book reviews, search, and REST APIs

ACHIEVEMENTS

- Selected as Software Intern at CRIS — Govt. of India (competitive intake)
- Among top 5% students in ML/CS coursework at NSUT
- Deployed 4+ full projects involving data, backend, and ML pipelines
- 5-star Python coder on HackerRank