

RITISA BEHERA

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EDUCATION

K.J. Somaiya College of Engineering, Mumbai
B.Tech in Information Technology *CGPA: 9.2/10*

Expected June 2026

EXPERIENCE

Software Engineer Intern *Home First Finance Company, Mumbai*

Jun 2025 – Aug 2025

- Engineered an end-to-end loan origination workflow, covering lead capture, application processing, document verification, underwriting, disbursement, and closure for scalable financial operations.
- Developed Salesforce-native dashboards and modular components, providing real-time visibility into loan lifecycle status and operational metrics while improving system maintainability and reliability.

AI Intern *Edunet Foundation, Remote*

Jun 2024 – Jul 2024

- Developed and deployed an end-to-end machine learning system for real-time cardiovascular risk prediction using the Framingham dataset, achieving 90% accuracy in 10-year CHD risk assessment.
- Architected and evaluated multiple ML pipelines, optimizing model performance and scalability; integrated cloud-based services and APIs to support low-latency user interactions.

PROJECTS

Sentinel AI *Python, React, Node.js, Flask, Ryu, Mininet, SHAP, Random Forest, XGBoost, LSTM*

[Link](#)

- Built a real-time DDoS detection and mitigation platform for 5G networks using Machine Learning, SDN, and network slicing, achieving sub-50ms inference latency with autonomous IP blocking.
- Designed a self-healing security pipeline with automated flow rule management, explainable AI, online learning, and large-scale traffic simulation to maintain high detection accuracy and resilience under sustained attack loads.

Invoice Data Extractor *Python, Electron.js, OpenCV, Tesseract, LLMs, Data Processing*

[Link](#)

- Built a production-grade Windows desktop application for automated invoice data extraction from PDF and image documents, leveraging OCR and LLMs, achieving 91% accuracy across 1000+ real-world invoices.
- Designed a robust document-processing pipeline with OCR fallback, schema-validated JSON outputs, and item-level data flattening, enabling append-safe Excel exports optimized for downstream analytics and accounting workflows.

Peachy Shop *Java, Spring Boot, Maven, React, JWT, RESTful APIs, SQL*

[Link](#)

- Designed and implemented a scalable, role-based e-commerce system with secure authentication, clean API boundaries, and end-to-end user workflows.
- Improved performance and reliability through caching, pagination, and optimized data relationships, delivering a production-ready platform built for scale and maintainability.

SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL

Frameworks/Libraries: React, Node.js, Flask, Spring Boot, Scikit-learn, Numpy, Pandas, TensorFlow, OpenCV, Selenium, JUnit

Tools & Platforms: Git, GitHub, Docker, Kubernetes, Jenkins, Maven, GCP, AWS, Salesforce, Tableau, Figma

Databases: MySQL, PostgreSQL, MongoDB

Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Computer Networks (CN), Software Development Life Cycle (SDLC)

ACHIEVEMENTS

- Presented research paper entitled *Leveraging Gemini API and Large Language Models for Scalable Placement Preparation: A Unified Platform for Resume Analytics and Adaptive Learning* at **16th ICCNT 2025 IEEE Conference**.