

RITISA BEHERA

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EDUCATION

K.J. Somaiya College of Engineering, Mumbai
B.Tech in Information Technology *9.1 CGPA* (till Sem 6)

Expected May 2026

INTERNSHIP EXPERIENCE

Software Engineer Intern *Home First Finance Company, Mumbai*

Jun 2025 – Aug 2025

- Contributed to the design and implementation of end-to-end loan processing workflows, including lead capture, application submission, document verification, underwriting, disbursement, and closure.
- Automated loan origination accelerating processing times, and improving accuracy across document handling and real-time team collaboration.

AI Intern *Edunet Foundation, Remote*

Jun 2024 – Jul 2024

- Built and deployed an AI-powered chatbot for personalized cardiovascular risk assessment using the Framingham dataset, enabling real-time 10-year CHD risk evaluation and enhancing user engagement.
- Explored and optimized multiple ML pipelines, selecting the most effective model to achieve 90% accuracy, demonstrating clinical relevance and reliability in predictive healthcare.

PROJECTS

Sentinel AI *React, Node.js, Python, ML, SDN, Flask*

[Link](#)

- Built a real-time DDoS detection system for 5G network slices using ML and SDN, with dual-mode traffic monitoring, feature extraction, and ongoing model experimentation for slice-level threat classification.
- Developed a full-stack architecture supporting autonomous detection, IP reputation checks, and live threat visualization, with in-progress implementation of self-healing mechanisms for dynamic mitigation.

Invoice Data Extractor *Electron, Python, OCR, NER, GenAI*

[Link](#)

- Engineered a multimodal invoice extraction system with hybrid LLM-rule logic, ensemble OCR, and GNN-based layout analysis, achieving 95%+ accuracy across PDF and image formats.
- Built a modular backend pipeline and Electron desktop UI for batch processing, structured exports, and real-time validation using Gemini-powered field detection.

E-Commerce Platform *Spring Boot, React, JWT, MySQL*

[Link](#)

- Built a full-featured e-commerce platform supporting distinct user roles for customers and vendors, and enabling product management, cart operations, order processing, and analytics.
- Implemented secure authentication and access control, ensuring data protection and personalized user experiences across roles.

SKILLS

Programming Languages: Java, Python, JavaScript, HTML/CSS, Apex

Frameworks: React, Node.js, Flask, Spring Boot, Scikit-learn, TensorFlow

DevOps & Tools: Git, Docker, Kubernetes, Jenkins, Maven, Selenium, JUnit

Databases & Platforms: MySQL, PostgreSQL, MongoDB, Google Cloud, AWS, Salesforce

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 ICCCNT 2025 IEEE Conference**.
- Google Cloud **BigQuery for Data Analysts** Certificate

LEADERSHIP

SMLRA, KJSSE: Spearheaded AI/ML projects, mentored peers, and led research events as Team Lead, through symposiums, technical workshops, and paper discussions to foster a strong research-driven culture.