ROHIT BIRADAR

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EDUCATION

Northeastern University, **September 2025 – August 2027**
Master of Science in Computer Science *Boston, MA*

Reva University, **August 2019 – Oct 2023**
Bachelor of Technology in Computer Science *Bangalore, India*

EXPERIENCE

Associate Software Engineer **March 2024 – August 2025**
Torry Harris Integration Solutions *Bangalore, India*

- Engineered microservices for loan onboarding, eligibility, disbursement, repayment, and early closure using Spring Boot, Oracle/PostgreSQL, and both SOAP and REST APIs, adhering to financial rules and validations.
- Integrated Kafka-based schedulers for asynchronous workflows like repayment settlement, autostrike, and auto-debit, improving system scalability and throughput.
- Implemented Redis caching for high-read config data (e.g., product limits, global settings), optimizing performance and reducing database load.
- Automated hourly monitoring using shell scripts and PostgreSQL procedures to email HTML loan reports via SMTP, and ensured smooth Amdocs fund flow via audit-compliant WebServiceTemplate-based integrations.

Associate Software Engineer Trainee **September 2023 – March 2024**
Torry Harris Integration Solutions *Bangalore, India*

- Collaborated on backend development of a cloud-based Learning Management System using Spring Boot microservices, with a focus on secure authentication and authorization using JWT tokens.
- Designed and implemented centralized authentication workflows, managing secure token storage via AWS S3 for scalable and resilient session management.
- Built and enforced API Gateway filter chains for authentication and dynamic routing, ensuring secure and efficient request flow across microservices.
- Worked closely with cross-functional teams to integrate scalable security patterns, enhancing system integrity, reliability, and cloud readiness

PROJECTS

Emotion Detection Using Machine Learning and OpenCV **September 2022 – Feb 2023**

- Designed and implemented a real-time facial emotion recognition system using OpenCV and a custom-trained CNN model, leveraging facial landmark extraction and emotion classification.
- Built a complete data pipeline with Haarcascade-based feature extraction, image preprocessing, and CNN training, achieving high accuracy for real-time use cases in healthcare, education, and customer service.

MoneyMates – Smart Shared Expense & Loan Tracker **June 2025 –July 2025**

- Architected and developed a full-stack Spring Boot web application for tracking shared expenses and managing education loans, implementing JWT-based authentication, role-based access control, and planning OAuth2 Google login integration.
- Built modules for expense splitting, loan disbursement, EMI scheduling, and real-time analytics dashboards; integrated Kafka-based notifications, AWS S3 for uploads/report exports, and scoped Redis caching and audit logging for future scalability.

TECHNICAL SKILLS

Programming Languages: Java (Core & Advanced), C#, Python
Frameworks & Backend Technologies: Spring Boot, Spring MVC, Spring Core, RESTful APIs, JDBC, Asp .NET, OOP
Frontend Technologies: HTML5, CSS3, JavaScript
Cloud and DevOps: AWS, Microsoft Azure (Fundamentals), Docker, Jenkins, Kubernetes, Terraform, Ansible
Databases: MySQL, PostgreSQL, MongoDB, OracleDB
Data & Distributed Systems: Apache Kafka, Redis
Tools & Environments: Git, GitHub, Unix/Linux (Ubuntu), CI/CD Pipelines, API Gateway Management
Other Technologies: Machine Learning (scikit-learn, OpenCV)