ROHIT BIRADAR

(617)-652-4006 | biradar.roh@northeastern.edu | LinkedIn | GitHub | Boston, MA

EDUCATION

Northeastern University, *Boston, MA*   **September 2025 – August 2027**
Master of Science in Computer Science (GPA:4.0)

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

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, JavaScript, C++
Frameworks & Backend Technologies: Spring Boot, Spring MVC, Spring Core, RESTful APIs, JDBC, Asp .NET, OOP
Frontend Technologies: HTML5, CSS3, ReactJs, Nextjs, Bootstrap, Tailwind
Cloud and DevOps: AWS, Microsoft Azure, Docker, Jenkins, Kubernetes, Terraform, Ansible
Databases: MySQL, PostgreSQL, MongoDB, OracleDB, Microsoft SQL Server
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)

EXPERIENCE

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

- Engineered six critical microservices using Spring Boot, PostgreSQL and OracleDB for loan disbursement and early closure, decreasing overall loan processing time by 35% and improving data integrity, ensuring audit compliance.
- Implemented Kafka-based asynchronous schedulers for repayment microservices, decreasing debit processing latency by 30ms and improving transaction success rates to 98.06% while collaborating with cross-functional teams.
- Addressed performance bottlenecks in high-read queries by deploying Redis caching, cutting database load by 60%, improving query response speed by 120ms, and enabling faster real-time data access for downstream services.
- Automated hourly monitoring with shell scripts and PostgreSQL, cutting report time by 95%, saving 8 hours per week, and ensuring smooth fund flow via Amdocs Web Service Template integrations with real-time alerts.

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

- Collaborated on backend microservices for a cloud-based Learning Management System, implementing JWT-based authentication and authorization, reducing unauthorized access incidents by 45% and securing sensitive user data.
- Designed centralized authentication workflows with AWS S3 token storage, reducing authentication failures by 50%, enabling faster, scalable user access management, and streamlining token validation across microservices.
- Developed API gateway configurations achieving authentication and traffic management across microservices, securing 10,000+ daily transactions, also personally reduced average debugging time by 20% by improving logging.

PROJECTS

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

- Architected and implemented a full-stack Spring Boot web application for expense tracking and loan management, improving login security by 40% with JWT authentication and role-based access control authorization.
- Developed modules for expense splitting, loan disbursement, EMI scheduling, and analytics dashboards, reducing manual calculation efforts by 70%, automating reporting workflows, and providing actionable financial insights.
- Integrated Kafka notifications, AWS S3 for uploads, report exports, and Redis caching, reducing app response time by 55%, supporting over 1,000 concurrent users, and ensuring high-throughput, low-latency performance under load.

Emotion Detection Using Machine Learning and OpenCV   **February 2023 – March 2023**

- Led a team of three in the development of a facial emotion recognition system, coordinating tasks, guiding model design and implementation, and ensuring project completion with 93% prediction accuracy with robust evaluation.
- Fashioned a complete ML pipeline incorporating Haarcascade feature extraction, data preprocessing, and CNN training, achieving sub-50ms real-time predictions suitable for both healthcare and educational applications.