

# Mohammed Salama

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## EDUCATION

### Bachelor of Science in Computer Science

The State University Of New Jersey • New Brunswick, NJ

09/2021 - 05/2025

Relevant Coursework: Intro to Computer Science, Data Structures, Intro to Discrete Structures 1, Intro to Discrete Structures 2, Computer Architecture, Software Methodology, Data Management for Data Science, Principles of Information and Data Management

## PROJECTS

### Banking Manager

Academic Project

- Created and designed a JavaFX-based banking application for real-time transaction processing, account management, and financial reporting.
- Designed and implemented efficient data structures and algorithms to ensure system scalability and reliability.

### Budget Buddy

Personal Project

- Developed a MERN Stack-based application for expense tracking, delivering a comprehensive system for managing and analyzing expenses in real-time.
- Implemented key features including creating, viewing, and reporting expenses, with an intuitive user interface to enhance user engagement.
- Utilized MongoDB, Express, ReactJS, and Node.js to develop a high-performing web application.

### Railway System

Academic Project

- Developed an online railway booking system with customer, representative, and admin functionality using JSP, MySQL, Java, and HTML/CSS.
- Designed and implemented a relational database to manage train schedules, reservations, and user accounts with enforced referential integrity.
- Built a user-friendly web interface for ticket browsing, booking, and reporting, ensuring controlled access for different user roles.

### Mobile Pizza

Academic Project

- Co-developed an Android app for a pizzeria, creating JavaFX-based GUIs to manage orders, track status, calculate prices, and export details.
- Ensured a seamless user experience for store staff by implementing features for detailed order management, pizza customization, and real-time tracking.

## SKILLS

Android Development, AWS, Azure, C#, C/C++, Data Analysis, Data Structures, Full Stack Development, Git, Java, JavaScript, Kotlin, Linux, Maven, MongoDB, Node.js, Python, ReactJS, SQL, SQL, Swift, UI/UX Design