

# RYAN MOSES

45C Deerfield Dr, Ottawa, ON K2C3N1 | 613-293-1197 | [ryanmoses99@gmail.com](mailto:ryanmoses99@gmail.com) | [GitHub](#) | [LinkedIn](#)

## PROFESSIONAL SUMMARY

I am a detail oriented software developer with 4+ years of experience building scalable full-stack applications and implementing AI/ML solutions. I'm proficient in JavaScript, TypeScript, Python, cloud platforms (AWS, Azure), and modern frameworks (Next.js, NestJS, Flutter), with experience in NLP, machine learning model deployment, and CI/CD automation. I am quick to embrace new technologies and committed to delivering customer-centric, data-driven solutions that make a meaningful impact for users and teams.

## WORK EXPERIENCE

### Software Engineer

Rover Technologies | Colombo, Sri Lanka

Jan 2023 - Aug 2024

- Architected, developed and deployed a full-stack vehicle rental application using Next.js and NestJS, improving UI responsiveness and UX through Figma-driven design iterations and optimized frontend components.
- Orchestrated the migration of the entire development environment from AWS to a local server infrastructure, reducing operational costs by 45% while maintaining system performance and reliability.
- Configured and maintained CI/CD pipelines on AWS with Docker integration, reducing deployment time from taking days to being done almost instantly and automatically, leading to an enhanced release cadence.
- Integrated AWS services (SQS, SNS, Lambda, API Gateway, ECS, EC2, DynamoDB, Amplify) to automate workflows, resulting in increased application scalability, security and performance.
- Led the mobile app development initiative by selecting Flutter as the framework, establishing initial project architecture, and coordinating a team of 3 developers to deliver the MVP within 3 months.

### Trainee Software Developer

IFS R&D International (Pvt) Ltd | Colombo, Sri Lanka - (Branch of IFS AB | Linköping, Sweden)

Jan 2020 - Dec 2022

- Developed and optimized PL/SQL functions and procedures for Oracle databases, enhancing backend logic for the Demand Planner component.
- Implemented bug fixes and features for backend (Oracle/PL-SQL) and frontend (IFS Aurena client using Angular-based framework), reducing product defects, while adding new functionality.
- Served as QA counterpart, authoring and executing automated test cases that achieved 90% integration test coverage and reduced production bugs by 25%.
- Expedited UI development by creating rapid prototypes in Figma for new features, reducing design approval cycles by 50% and eliminating wait times for UI/UX team meetings by presenting pre-planned mockups requiring only feedback and approval.
- Maintained CI/CD pipelines, streamlined automated testing and deployment processes, which reduced build times by 30%.

## EDUCATION

### Artificial Intelligence and Machine Learning

Lambton College, Ottawa

Sep 2024 - Present

GPA 3.76 | Dean's List: Fall 2024, Winter 2025

### B.Sc. (Hons) in Information Technology

Sri Lanka Institute of Information Technology

Jan 2019 - Dec 2022

GPA 3.66 | Dean's List: Year 1 Sem 1 & 2, Year 2 Sem 1, Year 4 Sem 1

## PROJECTS

### AI Resume Evaluator (Capstone Project) | [Github](#)

- Developed an AI-powered resume parser leveraging machine learning and NLP to extract, classify, and structure candidate information from diverse document formats with 82% accuracy.
- Built end-to-end solution using Python, TypeScript, spaCy (NLP), PyPDF2 (PDF processing), FastAPI (backend API), and Next.js (frontend), deployed on Microsoft Azure.

### 4zero4 Ticket Manager (Personal Project) | [Github](#)

- Developed a real-time ticket validation and attendee tracking mobile app for an events company, successfully deployed at 2 live events serving 500+ attendees.
- Implemented QR code scanning functionality using Flutter and Firebase, with a NestJS backend hosted on AWS, achieving 99.5% scan accuracy.

### ChipClock (Personal Project) | [Github](#)

- Currently developing an AI-driven schedule management application to automate weekly staff scheduling for restaurant operations, addressing observed inefficiencies during part-time work at Chipotle.
- Leveraging Next.js (frontend deployed on Vercel) and Python with ML libraries (scikit-learn, TensorFlow, NumPy, Pandas) to optimize shift assignments and reduce scheduling conflicts.

## TECHNICAL SKILLS

---

- **Programming Languages:** JavaScript, TypeScript, Python, SQL
- **Frameworks & Libraries:** Next.js, Nest.js, Flutter
- **Cloud & DevOps:** AWS (SQS, SNS, Lambda, API Gateway, EC2, DynamoDB), CI/CD pipelines, Azure (Basic)
- **Databases:** MySQL, DynamoDB, Postgres, MongoDB
- **Development Tools:** Git, Docker, JIRA, Jenkins
- **AI/ML Frameworks:** PyTorch, scikit-learn, TensorFlow (basic), Hugging Face Transformers
- **Data Science & NLP:** Pandas, NumPy, spaCy, embeddings, text classification, RAG
- **Model Deployment:** FastAPI, Azure ML, Docker

## REFERENCE

---

### **Malindu Perera**

Roover Technologies - Founder/CEO

Phone: +94714000011

Email: [malindu@rooverr.com](mailto:malindu@rooverr.com)

### **Mohammad Sadeghi**

Lambton College Ottawa - College Faculty

Email: [mohammad.sadeghi@lambtoncollege.ca](mailto:mohammad.sadeghi@lambtoncollege.ca)