

# Siam Rahman

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## EXPERIENCE

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**Full Stack Engineer** | *Azure, Docker, LangChain, CrewAI, LGTM stack* Feb. 2025 – Present  
*AskTuring.ai* *California, United States*

- Leading a cross-functional epic, coordinating with design, product, and engineering teams to enhance email ingestion and retrieval capabilities within a production RAG architecture
- Redesigned the chatbot's file upload and ingestion pipeline, raising reliability from **70% to 99.95%+ success rate** by implementing Dramatiq-based distributed workflows with retries and reconciler workers, which reduced customer complaints and improved fault tolerance
- Implemented end-to-end observability infrastructure using the LGTM stack (Loki, Grafana, Tempo, and Mimir), enabling real-time monitoring and faster incident response

**Full Stack Engineer, Internship** | *MLOps, AWS, K8s, GoLang, Python* Aug. 2024 – Feb. 2025  
*MyTeksi Sdn Bhd (Grab)* *Kuala Lumpur, Malaysia*

- Fixed a critical MLflow access control bug preventing password synchronization with central identity management, eliminating daily manual resets for **150+ data scientists and engineers** and improving team productivity
- Built MLOps tools in collaboration with the AI Infrastructure team, supporting 100+ data scientists across Grab
- Deployed OIDC-based authentication with LDAP group-based access control for MLflow, streamlining experiment tracking and service integration
- Developed a central API gateway and feature-serving endpoints to deliver refreshed data for ML pipelines

## EDUCATION

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**Universiti Teknologi Malaysia** Kuala Lumpur, Malaysia

*Bachelor of Computer Science, Major in Software Engineering with Honors*

- CGPA 3.93; Dean's List Awardee in all 8 semesters
- Organized university-wide literary events as part of the Ink and Literary Society
- Founded the university Coder's Club and led its competitive programming team to national and international success

## PROJECTS

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**Narrative Analysis of July Revolution** | *Python, Web Scraping, Stance Classification* May 2025 – Present

- Built the largest known dataset of news articles covering Bangladesh's July Revolution
- Conducted temporal analysis to uncover shifts in media narratives, variations in newspaper stances, and differences between mainstream and social media coverage

**Opportunity Octopus** | *Python, Django, Tailwind CSS, SQLite, Docker, AWS* Apr 2024 – June 2024

- Built a full-stack web application using Django and Tailwind CSS to centralize curated opportunities
- Implemented dynamic UI for browsing and filtering content tailored to students and early-career professionals
- Containerized the application using Docker and deployed it to an AWS EC2 instance

## EXTRACURRICULAR ACHIEVEMENTS

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**1st Runner-up, Can You Hack It!** Dec. 2023

*Hong Leong Bank*

*Kuala Lumpur, Malaysia*

- Created the business model for a Gen AI application to help SMEs with their ESG needs

**Silver Medalist, ICPROM** Oct. 2023

*Universiti Teknologi Mara*

*Kuala Lumpur, Malaysia*

- Led the university team in the International Competitive Programming and Multimedia Competition

**1st Runner-up, UCSI National Programming Competition** Feb. 2023

*UCSI University*

*Kuala Lumpur, Malaysia*

## SKILLS

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**Spoken Languages:** English, Bengali, Spanish

**Programming Languages:** Python, Go, C/C++, SQL, JavaScript, HTML/CSS, Java, R

**Tools and Frameworks:** Git, Docker, AWS, Kubernetes, MS Azure, Dramatiq, Supabase, Echo, FastAPI, Flask, Django, PostgreSQL, React, RAG, Crew AI, LangChain, LangGraph