

# RAYMOND HALIM

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## CAREER PROFILE

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- Driven and solution-oriented Master's student in Data Science at University of Technology Sydney, with a strong foundation in applying machine learning frameworks, data engineering, and statistical analysis.
- Certified in cloud computing (3 AWS certifications).
- Experienced in utilising AWS services as a Junior IT Support & Data Analyst for data collection, analysis, and storage, increasing operational efficiency by more than 60%.
- Demonstrated initiative and creative problem-solving skills in identifying manual workflow inefficiencies, proposing and implementing solutions to improve data processing, availability, and transition to automated workflows.
- Seeking internship or part-time opportunities in data science field which will allow me to leverage my strong problem-solving and analytical skills, while learning from seniors to further expand my expertise.

## EDUCATION

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**Master of Data Science and Innovation** *Feb 2025 – Dec 2026*  
*University of Technology Sydney, Australia* *(expected)*

- UTS Academic Excellence International Scholarship

**Bachelor of Computer Science (Big Data)** *Oct 2021 – Sept 2023*  
*University of Wollongong, Australia – Singapore Institute of Management, Singapore*

- Awarded with Distinction
- Weighted Average Mark (WAM): 78.5

**Diploma in Information Technology** *Oct 2020 – Sept 2021*  
*Singapore Institute of Management, Singapore*

- GPA: 3.813 / 4

## EMPLOYMENT

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**Junior IT Support & Data Analyst** *July 2019 – Jan 2025*  
*PT Berkas Jaya Pangestu, Indonesia*

- Developed an automated cloud-based invoice processing solution, incorporating data cleaning, extraction, and storage, enhancing operational efficiency by more than 60% and ensuring timely data availability. (Tech Stack: AWS S3, Lambda, Glue Databrew, Athena, Python)
- Built a Python-based financial summary search tool, reducing processing time by more than 40%
- Managed IT infrastructure, providing technical support and troubleshooting for hardware and software issues
- Handled invoice processing and financial data analysis to optimise expenditures
- Demonstrated strong teamwork and leadership skills in making decisions and offering guidance
- Managed stakeholder communication and efficiently coordinated transactions with suppliers

### Achievements:

- Proposed cloud-based solution was implemented, transitioning from manual processes to digital workflows
- Entrusted as the Person in Charge within a team of 5 for decision-making and leadership responsibilities when required

## SKILLS

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- Programming Languages: Python, Java, C++, C#, R, Go, HTML, CSS, PHP, JavaScript, ReactJS
- Machine Learning and Deep Learning Frameworks: PyTorch, TensorFlow, Scikit-Learn, and Keras
- Big Data frameworks: PySpark, Hadoop
- Cloud Computing: Amazon Web Services (AWS)
- DevOps Tools: Terraform, Docker, Kubernetes, Helm, GitHub, Jenkins, Grafana, Prometheus
- Database Management Systems: SQL, MongoDB, Oracle
- Languages: English (IELTS-7.5), Bahasa Indonesia (Native), and Chinese (Limited Working)

## PROJECTS

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### Blockscout (Self Project)

Sept 2024 – Sept 2024

- Configured Helm Chart to deploy Blockscout, incorporated an indexer, scalable API server with Horizontal Pod Autoscaler (HPA) and Blockscout Web UI
- Created a Jenkins CI pipeline to streamline packaging and deployment of Helm Charts reducing deployment time by 40%
- Gained expertise in deploying blockchain explorers and deep insights into EVM chains and their interactions
- Tech Stack: AWS RDS, EKS, Terraform, Kubernetes, Jenkins

### Ethereum Contract Deployment and Indexing (Self Project)

Sept 2024 – Sept 2024

- Developed an ERC20 contract indexer to track USDT activities on Ethereum blockchain and applied stress test solutions to evaluate impacts on network resources during ERC20 token transfers and NFT minting
- Integrated Prometheus and Grafana to monitor contract activities and resource utilisation, improving response time by 30% through early anomaly detection
- Tech Stack: Python, Solidity, Ethereum Blockchain, Prometheus, Grafana

### DeepPurple

Apr 2023 – Sept 2023

- Collaborated closely with 5 other members in development of a web application analysis software
- Designed and developed software analysing uploaded Customer Service audio recordings and generating real-time transcriptions, providing insights for enhancing customer experience and agent performance
- Tech Stack: Spring Boot, React.js, Tailwind CSS, GPT-3 API, Google Speech-to-Text API, AWS RDS, S3, Elastic Beanstalk, Amplify

### Research Conference Management Application

Oct 2022 – Nov 2022

- Built a Research Conference Management System supporting four different user types
- Tech Stack: PHP, HTML, CSS, MySQL

## EXTRACURRICULAR ACTIVITIES

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### Member

Feb 2025 - Present

*UTS BUILD (Beyond UTS International Leadership Development)*

- Participating in programs to foster global leadership and collaborate across diverse cultural backgrounds

### Student Ambassador

Sept 2022 – Sept 2023

*Singapore Institute of Management (SIM)*

- Led and facilitated groups of 10 individuals, maintaining discipline and fostering an organised environment
- Strengthened proficiency in public speaking, engaging groups of crowds with diverse backgrounds

## CERTIFICATIONS

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- AWS Certified Data Engineer - Associate Oct 2024
- AWS Certified Developer - Associate Aug 2024
- AWS Certified Cloud Practitioner Aug 2024