

# ROHAN BANSAL

0424 697 792 • bnsi.rohan@gmail.com • www.linkedin.com/in/rohanbnsi

## WORK EXPERIENCE

### VeecoTech Solutions ECommerce SDN BHD (Developer)

MAY 2022 - OCTOBER 2022

*Python • SQL • PowerBI • Data Analytics • Statistical Analysis • REST API • OpenCV • Google Tesseract • SCRUM*

- **Designed, developed, tested, and documented** a comprehensive government license application platform, architecting the solution using the **PHP Laravel** framework with a **MySQL** backend and implementing sophisticated **REST API** infrastructure.
- Pioneered advanced **image processing** and intelligent **OCR solutions leveraging OpenCV and Google Tesseract** with proprietary algorithms, resulting in an improved data accuracy of 25% and a 60% reduction in manual data entry/user input requirements.
- **Collaborated effectively in a SCRUM environment** as part of a 4-member team, successfully managing sprint planning and backlog refinement, and contributing to a 95%+ sprint completion rate.

### Goh Brothers Motor SDN. BHD (Software Developer - Contract)

MARCH 2020 - AUGUST 2020

*Ionic • Angular • Node.js • JWT • CRUD Systems • Mobile Development*

- **Designed and developed software solutions** for comprehensive staff and client management system using modern web technologies and responsive design principles.
- **Built an intuitive user interface** managing 100+ vehicles and 80+ staff records across multiple platforms.
- **Collaborated with stakeholders** to understand business requirements, documenting and translating into technical requirements for comprehensive management system development
- **Adapted quickly to changing requirements** while maintaining 90% user satisfaction rating and ensuring accessibility standards

### Linear Online SDN BHD (Network Engineer)

JANUARY 2020 - JUNE 2020

*Network Analytics • Data Analysis • Network Security • Firewall • Data Interpretation • Network Monitoring*

- **Configured and deployed network infrastructure** including routers and switches.
- **Monitored and analyzed network** performance data, identifying anomalies and trends in system performance to ensure reliable infrastructure
- **Implemented security protocols** and access controls to protect company network resources.
- **Performed regular system monitoring** and optimization to ensure reliable network performance.

## PROJECTS

### Sentiment Analysis:

- Performed data analysis on Twitter data using PowerBI followed by classification using different algorithms (LSTM,NB,SVM) with over 80% accuracy over a Django website.

### Threat Analysis on mininet simulated ICS:

- Conducted threat analysis and classification research, developing proprietary attack detection algorithms and implementing ML-based security solutions in virtualized ICS environments using advanced Mininet simulation.

### Enterprise Web Solutions (Freelance):

- Successfully delivered multiple high-impact client projects including premium business websites: <https://www.thesanctuarytree.com.au/> , <https://www.donaldcoaccounting.com/>

## SKILLS

### AWS Cloud Services

AWS CDK, Lambda, EC2, S3, RDS

### Software Development:

Full SDLC, Agile methodologies, Code reviews, Technical standards, Test automation, CI/CD

### Collaboration:

Agile methodology, Sprint planning, Stakeholder collaboration, Technical Documentation, Team growth

### Dev Ops & Tools:

Git, Docker, Linux, Performance optimization, Level 3 support, OpenCV, Google Tesseract, ML Algorithms

### Programming:

Python (Pandas, scikit-learn), JavaScript, PHP (Laravel), Node.js, DAX, RESTful APIs, JWT

### Data Analysis:

Statistical Analysis, Data Integration, Data Visualization MySQL, MongoDB, Power BI, Tableau

## CERTIFICATIONS

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- **MTA (Microsoft Technology Associate)**
- **CEH (Certified Ethical Hacker)**

## EDUCATION

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<b>Master of Computer Science</b> Curtin University	FEBRUARY 2023 - FEBRUARY 2025
<b>Bachelor of Computer Science</b> UOW Malaysia KDU Penang	JUNE 2020 - AUGUST 2022

## KEY STRENGTHS

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| <ul style="list-style-type: none"><li>• <b>Relevant corporate experience</b> with demonstrated success in data analysis and business intelligence across multiple industries</li><li>• <b>Technical expertise in required platforms:</b> SQL, Python, PowerBI, Excel (PowerPivot/PowerQuery)</li></ul> | <ul style="list-style-type: none"><li>• <b>AWS Cloud expertise</b> with hands-on experience across multiple services and architectures.</li><li>• <b>Quick to adaptat to new technologies</b> and emerging platforms.</li></ul> |
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