



# Md Habib Sarker

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## ≡ PROFILE

Master of IT graduate with a major in Software Engineering from Charles Darwin University. Possess a solid foundation in software development, system architecture, and project management, complemented by hands-on experience in various programming languages and frameworks. Highly analytical and detail-oriented, with a passion for problem-solving and innovation. Seeking a position in an IT company where I can apply my technical skills, collaborate with a dynamic team, and contribute to cutting-edge projects.

## 🔑 KEY SKILLS

### Technical Skills

- **Programming Language:** Python, Typescript, JavaScript, HTML, CSS, C#, .NET
- **Framework:** Angular, React, Django, Flask, SCSS
- **SQL:** MySQL, Oracle, PostgreSQL
- **Network Security:** CCNA, CCNP, NMAP, Aircrack-ng, Metasploit
- **Testing:** BurpSuite, PyTest, OWASP ZAP, Wireshark, Nessus
- **APIs:** Web API, REST API
- **Version Control:** Git, GitHub
- **Data Analysis:** Pandas, NumPy
- **Machine Learning:** OpenCV, Scikit-learn, TensorFlow, PyTorch
- **Data Visualization:** Matplotlib, Power BI

### Tools

- **IDEs and Editors:** Visual Studio Code, NetBeans, Jupyter Notebook, PyCharm, Google Colab
- **Database Tools:** SQL Server Management Studio, phpMyAdmin
- **Project Management:** Jira, Trello
- **API Testing:** Swagger
- **Designing:** Figma, Balsamiq
- **Communication:** Microsoft Teams, Slack
- **Productivity:** Microsoft Office, OneNote, Google Docs

### Soft Skills

- Problem Solving
- Fast Learner
- Adaptability
- Analytical
- Critical Thinking
- Attention to Details
- Time Management
- Ability to Work in a Team
- Good Communication
- Ability to Work Under Pressure
- Customer Service
- Leadership

## 📁 WORK EXPERIENCE

### Team Member, Coles Supermarket, Australia

Nov 2022 – Present

- Lead night fill team, ensuring shelves were fully stocked and the store was prepared for the next business day.
- Provided exceptional customer service, assisting customers with inquiries and ensuring a positive shopping experience.

### Data Engineer, Axiata Digital Advertising, Malaysia

Mar 2020 – Oct 2020

- Worked as a Data Engineer in a data science team, collaborating on various data-driven projects.
- Extracted required data from the internet, ensuring accuracy and relevance for ongoing projects.
- Cleansed and processed raw data, transforming it into a structured format for seamless integration.
- Updated and maintained the database, enabling efficient data retrieval and analysis for further processing.

### Customer Service Officer, Direct Couriers, Australia

Feb 2022 – Aug 2022

- Delivered high-quality customer service, addressing inquiries and resolving issues promptly.
- Handled a high volume of customer interactions, maintaining a professional and helpful demeanor.

## EDUCATION

Charles Darwin University, Master of IT (Major in Software Engineering), Australia

Aug 2022 - June 2024

Taylor's University, Bachelor of Computer Security and Forensics, Malaysia

Sept 2017 - Oct 2020

## Project

### Appointment Booking System (for SASO Officers at Charles Darwin University)

- Developed an appointment booking system using Microsoft Power Apps, SharePoint List, and Power Automate.
- Streamlined the booking process, enhancing efficiency and user experience for university staff and students.
- Conducted comprehensive testing, including security, performance, usability, and automated testing, to ensure system reliability and user satisfaction.

### Movie Ticketing System (for Software Engineering Practice, Charles Darwin University)

- Developed a movie ticketing system using .NET ASP and Angular.
- Enabled efficient management of movie screenings, ticket bookings, and customer interactions.

### Machine Learning for the Classification of Cardiovascular Disease (for Master of Thesis, Charles Darwin University)

- Applied deep learning techniques to analyze echocardiogram images for the classification of cardiovascular diseases.
- Achieved a 93% classification accuracy using VGG16 architecture, with enhancements from ensemble learning methods.
- Provided a robust diagnostic tool that improves the accuracy and efficiency of cardiovascular disease detection.

### Prevention of Crypto-Ransomware Using a Pre-Encryption Detection Algorithm (for Final Year Project, Taylor's University)

- Developed a machine learning-based pre-encryption detection algorithm (PEDA) to detect and prevent crypto-ransomware attacks.
- Designed two-phase detection: Phase I focused on API pattern recognition, and Phase II used signature matching for early detection.
- Achieved a low false positive rate (FPR) of 1.56%, outperforming other methods like Naive Bayes and Random Forest.

### E-commerce Site, (Full Stack development Course)

- Created an e-commerce platform using React.js and Node/Express.js.
- Provided a seamless online shopping experience with integrated payment gateways and user-friendly interface design.

## ★ INTERESTS & HOBBIES

- I am a big fan of team sports and play soccer every week with social soccer Darwin.
- I'm currently exploring job opportunities and developing skills that may be required in the workplace.

## REFERENCES

### Nare Vellela

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