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Education

2024/10 – present Chemnitz, Germany	**Master's Degree in Automotive Software Engineering** *Technischen Universität Chemnitz (EduRank 56 In Germany)* ↗ *Chemnitz Technical University, Germany (Expected Completion: [insert expected graduation date])* Currently pursuing a master's in Automotive Software Engineering, focusing on innovative software solutions and real-time computing for the automotive industry.
2020/10 – 2024/06 Johor Bahru, Malaysia	**Bachelor of Computer Science (Software Engineering)** *Universiti Teknologi Malaysia (QS Ranking 188)* ↗ CGPA: 3.73/4.00, Five consecutive Dean List Award Final-year Project: Jom Tapau - website (System Development)
2017/11 – 2019/11 Khulna, Bangladesh	**General Certificate of Education A'Level** *South Herald English School and College* ↗ The A-level is a subject-based qualification conferred as part of the General Certificate of Education, as well as a school-leaving qualification offered by the educational bodies in the United Kingdom
2017/06 – 2017/10 Khulna, Bangladesh	**General Certificate of Education O'Level** *Rosedale International English School and College* ↗ The O-Level is a subject-based qualification conferred as part of the General Certificate of Education. It began in the United Kingdom and has been adopted, often with modifications, in several other countries.

Professional Experience

2023/08 – 2024/02 Johor Bahru, Malaysia	**Frontend Developer (Internship)** *Infinity Wave Sdn Bhd,* ↗ • Project: FOX Asset Management, FOX Project Management • Technology: **Reactjs**, **Redux**, **Tailwind**, **Bootstrap**, **Docker**, **Postman**
2024/07 – 2024/09 Johor Bahru, Malaysia	**Frontend Developer Freelancer** *Infinity Wave Sdn Bhd* ↗ • Project: FOX Asset Management • Technology: Reactjs, Redux, Tailwind, Bootstrap, Docker, Postman
2023/10 – 2024/08 Johor Bahru, Malaysia	**Head of Development Team** *Google Developer Student Club, UTM* ↗ Leading my development team involves guiding us through learning curves and coordinating various workshops. Together, we strive for continuous improvement and collaboration.
2022/10 – present Johor Bahru, Malaysia	**Full Stack Developer** *Jom Tapau* Appointed as a full-stack developer, I tackle both frontend and backend tasks, crafting user interfaces and architecting robust APIs. From frontend design to backend schema, I'm immersed in every aspect of development.

Projects

2024/08 – 2024/10   **Bistro Boss Cafe Website** ⬈

- A food ordering system that enables users to place orders with card payments and submit reviews. Admins can manage the menu by adding, deleting, or editing items and oversee orders and reservations. The system automatically resets previous reservations for improved efficiency.
- Technology: **Reactjs, React-Router, Nodejs, Expressjs, Tailwind, Daisy-UI, MongoDB, Stripe, Firebase, Github, Mongoose.**
- Deployment: **Vercel (Backend), Netlify (Frontend)**
- Client-Site ⬈
- Server Site ⬈

2023/03 – present   **INVENTORY MANAGEMENT-BACKEND-SERVER- SITE** ⬈

- It's an inventory store where all the data of stores, stocks, and products are stored in MongoDB. It provides several API to store, retrieve, delete, and filtrate data. It follows the MVC architecture.

- Technology: **Nodejs, Expressjs, Multer, bcryptjs, validator, MongoDB, Mongoose, Validator, nodemon, JWT, Github**

2024/01 – 2024/02   **ReWaste-Empowering Sustainability: Turning Waste into Power, Together.**

- ReWaste in Malaysia addresses underutilized agricultural waste by connecting sellers with power plants through an online bidding platform. AI tools streamline listing management and provide quick price estimates based on waste pictures, optimizing the auction process for sustainability.

- Technology: **Reactjs,Tailwind CSS, DaisyUI, React-Router, React-icons, Lucide, Nodejs, MongoDB, Mongoose, Firebase, Expressjs**
- Code-Link ⬈

2024/03 – 2024/04   **AgriSmart -AI-driven, all-in-one tool for beginner farmers** ⬈

- Our personalized dashboard consolidates all your farming data in one place. With real-time soil tracking, computer vision, and IoT sensors, stay informed about soil conditions, crop growth, and equipment status. Make data-driven decisions for optimal crop health and yield, effortlessly manage seed inventory, and ensure farming equipment readiness for operations.

- Technology: **Reactjs, Tailwind CSS, DaisyUI, React-Router, React-icons, Lucide, Nodejs, MongoDB, Mongoose, Firebase, Expressjs, TensorFlow, Sonner**
- Client-Site ⬈
- Server-Site ⬈

JOM-TAPAU PRE FOOD DELIVERY-WEBSITE ⬈

- JOM TaPAU App is a Pre-order food delivery platform. It helps university students and working adults to afford cheaper food delivery meals and services.

- Technology: **Reactjs, React-Router, Nodejs, React- Bootstrap, Expressjs, MongoDB, Stripe, Firebase, Github, Clockify, PDF-generato**r, **imageBB, Netlify, Render, Mongoose.**
- Client-Site ⬈
- Server-Site ⬈

2022/06 – 2022/07   **BLUESTONE FOOD SUPPORT**

- The system facilitates donations and volunteering, with features for ordering and delivering food and donating money or leftover food items. It's designed using Object-Oriented concepts.

- Technology: **JAVA (OOP Concept)**

- Code-Link ⧉

2022/01 – 2022/03   **E-recruitment system** ⧉
Data Structure and Algorithm into a real-world situation (C++)
- The applicant applies through a job portal and then the hiring panel receives the applications. They check the resumes and documents and select the applicants that can be sent to the HR manager.
- Technology: **Stack, Queue**

Skills

Reactjs , Nodejs, Expressjs, Python, C++, Java   ● ● ● ● ●   Numpy, Scikit Learn, Pandas, Matplotlib

GitHub, Docker, Figma, Jira, Clockify, Postman, MongoDB CLI, Vercel   ● ● ● ● ○

Languages

English   **Bangla**
IELTS (Band 7)

Awards

2024/03   **Outstanding Student Consolation Prize** ⧉
Malaysia Digital Economy Corporation (MDEC)
Delighted to announce I've won the Outstanding Student Consolation Prize from Malaysia Digital Economy Corporation (MDEC), competing among 16+ Premier Digital Tech Institutions (PTDI) across Malaysia! Grateful to represent UTM's Faculty of Computing and showcase our innovation. Thanks for the support!

2023/12/09   **Top 10 Finalist DevHack 2023** ⧉
Google Developer Groups George Town
- Project: BillsGo - All-in-One Utility Bill Payment & Collection App
- Technology: **React Native, Nodejs, React Router, React Paper**
I developed a system using **React Native**, creating an innovative solution for efficient utility bill payment and collection processes.

2023/10/09   **1st Runner Up place at MyRapid Bus X UTM Data Hackathon 2023,** ⧉
MyRapid KL
Project: MaintainIQ - Smart Maintainance Management System with AI
- I led the development of automated preventive maintenance and inventory management systems for MyRapid Bus company.
- Technology: **ReactJS, Bootstrap, CSS, Pandas, Matplotlib,NumPy, Netlify**
- Demo ⧉

2023/08/22   **Champion For ElectreCup at ESTECH 2023,** ⧉
UTP
Project : Deep Port Vision - A Smart Container Management System with AI

2023/06   **The Edison Award** ⧉
Persaka UTM
Honored to win the Edison Award at the Computing Gala23! Recognized for academic excellence and competition success. Grateful for the support. Ready to innovate further in computing!

2023/06   **Champion at Microsoft APAC AI for Accessibility Hackathon 2023,** ⧉
Microsoft, UTM
Project: A-EYE - Object Detection for the Blinds

- Designed and developed the device using Microsoft Azure Custom Vision to assist blind individuals in detecting objects.
- I used the YOLO 5 algorithm to detect the object and using Python speech library voice message was given.

| 2023/07 | **Top Winners at MRANTI Wed Design Challenge 2023** ⃝ |

Malaysian Research Accelerator for Technology & Innovation (MRANTI)

Project: Deep Port Vision - A Smart Container Management System with AI.

- Initiated the collaboration with one of the leading ports in the world by introducing this deep learning-based project.

2023/03 **Top 24 at LaunchX** ⃝

Sunway iLabs

Project : Jom Tapau - Pre Order Food Delivery App

2023/01 **First Place at Artificial Intelligence and Machine Learning Innovation Challenge,2022** ⃝

UTM Centre For Student Innovation & Technology Entrepreneurship (UTM XCITE)

Project : A-EYE : Object Detection for the Blinds

First Place Winner at FC Tech Startup'23 ⃝

Faculty of Computing UTM

In my role as Development Head, I led the development of the "Jom Tapau - Pre Order Food Delivery App," a prize-winning tech startup concept. Our team secured the first position in the FC Tech Startup'23 competition, surpassing 54 groups and 16 finalists.

2023/02 **Top Winners Hacktitude Malaysia**

Hacktitude Malaysia

Facing off against 50 teams, we dove into debugging a developed website, meticulously solving issues and rigorously testing against predefined cases.

2023/08/02 **4th Placement in Coding King Competition 2023** ⃝

UTP

Working as a team of four, we tackled a set of 12 problems using Python. While we fully solved one problem, we made significant progress on another, showcasing our collaborative problem-solving skills.

Certificates

Hacktitude ⃝

Complete Web Development Course With Jhankar Mahbub ⃝

Programming Hero

CODE ON WEEKEND: PYTHON ⃝

PERSAKA

Extra curricular Experience

2024/01 – 2025/12 **International Student Society of Bangladesh UTM** ⃝

General Secretary

I work to strengthen our community academically, fostering skill development among students and expanding our social activities. I aim to represent our country internationally, beyond just UTM.

References

Ts. Dr. Johanna Binti Ahmad Senior Lecturer

Faculty of Computing, Software Engineering Universiti Teknologi Malaysia

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