NURULHANISA BINTI MOHD IKHSAN

COMPUTER & NETWORK SECURITY STUDENT

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SUMMARY

Motivated Computer Science student at UTM with hands-on experience in full-stack development and network systems. Passionate about building practical solutions while expanding knowledge in software development and technology applications. Eager to contribute technical skills and learn from professional projects in a collaborative environment.

EDUCATION

Bachelor of Computer Science (Computer & Network Security) with Honours - Universiti Teknologi Malaysia (UTM) — **2022 - 2026**
- **CGPA: 3.83**

Sijil Matrikulasi KPM (Science Modul I) - Kolej Matrikulasi Selangor (KMS) — **2020 - 2021**
- **CGPA: 3.88**

Sijil Pelajaran Malaysia (SPM) - SMK Pasir Gudang 1 (SMKPG) — **2015 - 2019**
- **Grade: 5A+ 2A 2A- 2B+**

PROJECTS

Ongoing Final Year Project - Animal Welfare Mobile Application (Full-Stack) — **2024 - 2025**

Developed a full-stack mobile app with role-based ACL for Admin and Users, and full client-server integration in *JavaScript* to streamline animal welfare efforts, featuring news feed, donations, adoptions, animal updates, and volunteer management—with real-time progress tracking.
- Independently designed and developed the app with focus on UI/UX, scalability, and performance
- Refactored and optimized code for clarity, reusability and efficiency
- Standardized styling with Prettier across the codebase
- Frontend: *React Native* (Expo) with modular components and React Hooks for efficient state management
- Backend: Firebase (Auth, Firestore, Storage) with NoSQL structure and role-based access control
- Design: Custom original mascot (Inkscape), icons, and Figma prototypes for a user-friendly UI
- Tools: Git for version control, Android Studio (emulator), and EAS for builds

E-Portfolio Github Website Page for Technology & Info System Course — **2024**
- Developed and modified an e-portfolio website page with *HTML* and *CSS*

Personal Task Manager System (Group Project) — **2024**
- Developed a simple Personal Task Manager with Linked List, Queue and Stack Data Structures in *C++*

Online Book Purchasing System (Group Project) — **2023**
- Built the *Java* back-end for book data handling using OOP principles: encapsulation, inheritance, abstraction, and polymorphism

Parcel Delivery Mobile Application (Group Project) — **2023**
- Built the front-end component with *Dart* & *Flutter* to present data lists from Firestore, established back-end Firebase integration for data retrieval
- Using *JIRA* for task updates

WORK EXPERIENCES

Renovation Quotation Assistant (Freelance)   **2017 - now**
- Provide renovation quotation for clients using MS Word
- One of the clients: B.M. Nagano Industries SDN. BHD

Etsy Brand Kit Designer (Freelance)   **2024**
- Design original brand kits using Inkscape/Photoshop and IbisPaint

ACTIVITIES

- (Participant) React Native & Expo Workshop Faculty of Computing   2024
- (Member) PSSGUTM - Persatuan Silat Seni Gayung UTM   2024
- (Participant) Cloud Empowerment Workshop: Embracing the Era of Digital Agility by RunCloud   2023
- (Technical Crew) Code on Weekend: Python Workshop   2022

AWARDS & CERTIFICATES

- **Dean's List Award (Semester 1-6)**   2022- now
- **1st Runner-Up in Sustainable Entrepreneurial Mindset Showcase (SEMS) 11.0 by UTMXcite 2024 -** Role: Idea creator, developer and presenter   2024
- **1st Nominee as UTM Representative in Product Innovation Competition in 3rd Atma Jaya Business Expo "Sustainable Business - Innovating for Social Impact" by Atma Jaya Inkubator Bisnis - Jakarta, Indonesia 2024** - Role: Idea creator, developer and presenter   2024
- **Level 2 Mandarin Class** - UTM Mandarin Club   2022
- **DevNet Associate 1.0 (DEVASC)** - Cisco Networking Academy   2024
- **CCNA: Enterprise Networking, Security, and Automation** - Cisco Networking Academy   2023
- **CCNA: Switching, Routing, and Wireless Essentials** - Cisco Networking Academy   2023
- **CCNA: Introduction to Networks** - Cisco Networking Academy   2023

SKILLS

- **Database:** Firebase (NoSQL), SQL, MySQL
- **Network & Troubleshooting:** Hands-on troubleshooting & network simulation experience using Packet Tracer (Intermediate) & WireShark (Basic)
- **IDE:** Visual Studio Code
- **Programming-Related:**
  JavaScript, HTML, CSS, C++, Java, React Native, React Hooks, EAS, Expo, Expo Go (Intermediate) C, Dart, & Python, React JS, Flutter, Jira, Google Cloud Platform, Git, Github (Basic)
- **Design:** Figma, Canva, Inkscape/Photoshop, IbisPaint
- **Basic Scripting:** Linux (Ubuntu) & Powershell (Basic)
- **Data Structures & Algorithm, Object-Oriented Programming, Oracle VM VirtualBox**

OTHER ACHIEVEMENTS IN TECH & ARTS

- Excellence Award (Top 5) - Rero Math and Coding Challenge 2018 (Johor State)   **2018**
- Top 20 - RERO Robotics and Coding Championship 2019 (National Level)   **2019**
- Gold Award - RAC's19 Robotics and Coding Competition 2019 (Johor State)   **2019**
- 1st Prize - Digital Poster Design Competition (Selangor College Matriculation - KMS)   **2020**
- 1st Prize - Drawing Competition & Traditional Poster Design (KMS)   **2020**
- 1st Prize - UTM College Calligraphy Competition 2024   **2024**

REFERENCE

Dr. Muhalim Bin Mohamed Amin (Academic Advisor)
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