

Muhammad Shahrul Nizam Bin Zahari

Information Technology Bachelor's Students

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SUMMARY

A dedicated Information Technology student at Universiti Teknologi MARA (UiTM) Machang, with experience in using software such as Android Studio, VS Code, BlueJ, Dev C++ and Firebase. Skilled in design tools including Figma, Canva, Capcut, and Adobe Photoshop, reflecting a strong passion for UI/UX and creative design. Developed leadership, communication, and problem-solving skills as the section leader and commander of the Brassband Organisation, as well as Vice President of the IT Community Club. Capable of working independently with minimal guidance and committed to continuous professional growth. Seeking to leverage both technical and creative experience to contribute meaningfully to the Information Technology industry.

EDUCATION

Bachelor of Information Technology (Hons.) **Oct 2022 - Present**

Universiti Teknologi Mara UiTM Machang, Kelantan

CGPA: 3.63

Achievements : Dean's list for every semester except semester 2

Relevant coursework : Computer programming, data structures and algorithm, object-oriented programming, JAVA enterprise programming, database management systems, web technologies and application, software engineering, operating systems, human computer interaction, computer networks, mobile application development, IT project management, IT security, enterprise programming, artificial intelligence

Foundation in Engineering

Aug 2021 - Jul 2022

Universiti Teknologi Mara UiTM Dengkil, Selangor

CGPA: 3.73

Achievements : Dean's list for every semester

Relevant coursework : Fundamentals of Engineering, Chemistry, Physics, Computer science

WORK EXPERIENCE

Instructor assistant **Mar 2023 - Aug 2024**

Majlis Perwakilan Komander (MPK), UiTM Machang

- Led band training sessions for brass and drumline members, focusing on musical skills, discipline, and teamwork.
- Managed the planning and execution of SULAM community outreach programs, including teaching primary school students and organizing class sessions.
- Assisted the instructor in monitoring curricular class and maintaining high standards of band discipline.

ACADEMIC PROJECTS

Final Year Project **Oct 2024 - Present**

Title: Integrated Price and Weather Monitoring System with Web Scraping for Rubber Tapper Productivity

- Built a mobile application that centralizes rubber price and weather information for the ease of rubber tappers.
- Implemented web scraping using Python to retrieve data from Malaysian Rubber Board and MetMalaysia websites.
- Designed and built the app using Android Studio, Visual Studio Code and Firebase Realtime Database.
- Created an admin webpage using HTML, CSS, JS and Firebase to manage announcements and user data.

Key Technologies: Python, Android Studio, VS Code, Firebase, Web Scraping, Java, HTML, CSS, Javascript

Mobile Technology (ICT602) Project

Oct 2024 – Feb 2025

Title: *HoSpot – Nearest Hospital Tracker*

- A mobile application to find the nearest hospital based on user's current location.
- Implemented Google Map API for the map interactive display
- Designed and built the app using Android Studio, Visual Studio Code and Firebase Realtime Database.
- Created an admin dashboard using HTML, CSS, JS and Firebase to manage user data and location.

Key Technologies: Android Studio, VS Code, Firebase, Google Map API, Java, HTML, CSS, Javascript

Web Technology and Application (ICT600) Project

Oct 2024 – Feb 2025

Title: *Bus Booking System*

- Built a website to book buses online
- Designed and built the app using Visual Studio Code and PHPMyAdmin.
- Created an admin dashboard using HTML, CSS, JS and PHPMyAdmin to manage user data and booking.

Key Technologies: VS Code, PHPMyAdmin,, HTML, CSS, Javascript

EXTRACURRICULAR ACTIVITIES

Violet Master Crew (VMC) Brassband Club – Brass and Drumline Section Leader Mar 2023 – May 2025

- Led band training for orchestra and drumline performances, both on campus and external events (e.g., Mitsubishi showcase in Kota Bharu).
- Secured multiple wins including: Champion – Percussion Category (UiTM Marching Band Competition, Segamat 2024) and Champion – DrumBattle Category (UiTM Rembau, 2023).

Majlis Perwakilan Komander (MPK) – Brassband Corporate and Protocol Exco Mar 2023 – Aug 2024

- Coordinated commander duties such as foot drill training, protocol management, and class supervision.
- Appointed Leftenan Muda after successfully completing the national Kesatria Commissioning Program
- Led the SULAM community project as Project Manager, conducting music instrument education

Information Technology Community (ITCOMM) Club – Vice President Oct 2023 – Feb 2025

- Supported the club president in managing overall operations, event planning, and member coordination.
- Organized and chaired internal meetings, facilitating collaboration between committee members and external partners (e.g., Chumbaka Enterprise)

Young Innovater Challenge (YIC) – Mentor Oct 2023 – Sep 2024

- Mentored secondary school students (SMK Sultan Ismail) in Arduino programming and electronics for innovation projects under collaboration with Chumbaka Enterprise.
- Guided students, resulting in championships win with gold medal for the YIC competition with their “Smart Toilet Water Level System” project.

Junior Robotic Programme – Module Developer and Mentor May 2023 – Nov 2023

- Led a team of club members to develop learning modules and teach Arduino fundamentals to primary school students (SK Kg Tasek and SK Sepulau, Pasir Puteh, Kelantan).
- Mentored participants through robotics competitions, resulting in championship wins for SK Sepulau.

SKILLS

- **Interpersonal:** Leadership, Effective Communication, Teamwork, Conflict resolution
- **Software:** Figma, Microsoft Office Suite (Word, Excel, PowerPoint), Canva, Capcut, Android Studio, VS Code, BlueJ, Dev C++, Firebase, PHPMyAdmin, and Apache
- **Technical:** Programming Languages, System Documentation, Process Workflow, Mathematics, Databases, Big Data fundamental, UI/UX Design

REFERENCES

ASIAH BT MAT

Final Year Project Supervisor

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