

## NURIN QASDINA BINTI NAZARUDDIN

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### Personal Statement

As a fresh graduate with a Bachelor's degree in Engineering (Electronics - Computer and Information) from International Islamic University Malaysia, I am passionate and skilled in software engineering and data analysis. Proficient in Python, Java, C/C++, and SQL, and holding a Microsoft Certified: Power BI Data Analyst Associate certificate, I am seeking opportunities as a Software Engineer, Data Analyst, or any position related to my background.

### Education

**Bachelor of Engineering (Electronic – Computer and Information), 2020–2024, International Islamic University Malaysia (IIUM), Selangor.**

CGPA: 3.64

Among subjects taken:

- Object-Oriented Programming with Java
- Software Engineering Design
- Data Structure and Algorithm
- Database System

### Professional Courses

- **PL-300T00: Microsoft Power BI Data Analyst, 2024, Kulliyah of Engineering IIUM, Gombak.**  
3-days program to learn data modelling, data visualisation, power query, DAX and data security using Power BI command and features.
- **Robotic Workshop, November 2021, Kulliyah of Engineering IIUM, Gombak.**  
5-days program to learn about robotics a using Arduino command and features.

### Working Experiences

- **Intern, (Industrial Training), Soft Device Sdn. Bhd., Batu Caves Selangor, July–September 2023. (2 months 2 weeks)**
  - Produce and manage printed circuit board and perform product testing for time to time.
  - Construct and revise printed circuit board for new and existing product.
  - Understanding circuit analysis and interpreting schematics diagrams.

### Project Involved / Completed

**Final Year Project, Empowering Hearing-Impaired Communities: Sign Language Interpreter Using Artificial Intelligence, 2024.**

- Built a real-time sign language interpreter using Python libraries, such as OpenCV, TensorFlow, MediaPipe and LSTM. This project utilizes computer vision to recognize hand and finger positions, translating sign language gestures into text for improved communication accessibility.

### **Class Project, Library Management System, 2024.**

- Developed a comprehensive library management system by identifying relational keys and creating ER and EER diagrams. Mapped these diagrams to relational schemas and utilized relational algebra and calculus for advanced SQL queries. Ensured efficient data modeling and database integrity to support library operations.

### **Class Project, Brick Breaker Game, 2023.**

- Developed a classic Brick Breaker Game using Object-Oriented Programming (OOP) principles in Java, leveraging 2D arrays for efficient brick management. Utilized OOP principles to design reusable and modular code, ensuring easy maintenance and scalability.

#### **Activities and Involvement**

- Secretary, IIUM Roboteam Club, International Islamic University Malaysia, 2021-2023.
- Exco External, Electrical Computer Engineering Students' Association (ECESA), International Islamic University Malaysia, 2021-2022.
- Facilitator, Program Robotik STEM Pelajar Orang Asli (Robocon Malaysia Jr 2022), Sg. Siput, Perak, August 2022.

#### **Achievements**

- Fourth place finisher, ROBOCON Malaysia, June 2023.
- Dean list award recipient (5 out of 7 semester), 2020-2023.

#### **Certificate**

- Microsoft Certified: Power BI Data Analyst Associate, Microsoft, 2024

#### **Skills**

- **IT Proficiency** Microsoft Office, Python, Java, C/C++, SQL, HTML, CSS, Power BI
- **Language Proficiency** Bahasa Malaysia (Excellent), English (Intermediate)

#### **Additional Information**

- **Driving License** D
- **Possess Own Transport** Yes

#### **References**

Mr Min-Ann, Lai  
Production Engineer  
Soft Device Sdn. Bhd.  
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