

# MOHAMMAD NASRULLAH BIN MANAP

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## Summary

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I am a highly motivated Software Engineering student with a strong interest in web development, software testing, and data science. Seeking an internship opportunity to apply my skills in Laravel, PHP, and MySQL, while gaining practical experience in real-world software development projects. I am passionate about writing clean and efficient code, analyzing data for insights, designing and executing test cases, and solving problems in collaborative team environments. Eager to contribute to impactful projects while continuously learning and growing as a developer and tester.

## Experience

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### AMD SYNERGY WORKSHOP MANAGEMENT SYSTEM | Final Year Project

- Developed a web-based system using Laravel, PHP, JavaScript, CSS and MySQL for managing customer details.
- Implemented CRUD operations and dynamic data handling.
- Developed a comprehensive web-based management system for a real-world welding workshop (AMD Synergy).
- Implemented **customer management**, allowing admin to create, view, update, and delete customer records.
- Designed dynamic **quotation and invoice builder modules** with material selection, price calculation, and summary generation.
- Integrated **admin and customer roles** with secure access controls; customers can log in to view personalized quotations and invoices.
- Enabled **real-time total calculation** and dynamic table rows using JavaScript for seamless UX.
- Designed an **admin dashboard** with KPIs and **Chart.js** visualizations to track sales and customer data.
- Focused on practical usability and streamlined workshop workflow through digitalization.

### Gender Distribution in Professional Fields | Data Science Project – Python & Power BI

- Developed an end-to-end data analysis pipeline to uncover key factors contributing to gender disparities in various professions, aligning with real-world data storytelling objectives.
- Utilized Python (Pandas, NumPy) for data wrangling and cleaning, showcasing strong ETL and preprocessing capabilities.
- Built interactive dashboards in Power BI to visualize relationships between gender, education, industry, and income, demonstrating effective communication of data insights to non-technical stakeholders.
- Gained hands-on experience in exploration data analysis (EDA) and used visual analytics to support data-driven decision-making—skills vital in AI-powered customer experience platforms.
- Reinforced competencies in data preparation, pipeline design, and identifying patterns that influence user behavior and societal trends.

## Habit-Based Obesity Classification using Machine Learning | Data Mining Research Project – R language (ML models & evaluation)

- Designed and implemented a comparative machine learning pipeline for classifying obesity based on lifestyle and health behavior data—demonstrating core AI model-building capabilities.
- Applied feature engineering and preprocessing techniques to enhance model accuracy and reliability, reflecting real-world ETL and model readiness challenges.
- Trained and compared multiple ML models including Decision Tree, K-Nearest Neighbors, Neural Networks, and K-Means Clustering, reflecting familiarity with diverse AI frameworks.
- Conducted performance evaluation using accuracy, precision, recall, and F1-score, across various train/test splits (30/70, 40/60, 50/50), showcasing strong grasp of model validation and selection.
- Delivered actionable insights to support predictive analytics in healthcare methodology easily transferable to customer behavior modeling and AI-driven personalization systems.

## Software Tester for UTHM Students Event Management System | Software Tester Project

- Developed Software Requirements Specification (SRS) and Software Design Specification (SDS) documents to define and plan system functionalities.
- Created Test Case Specifications and Test Design Specifications based on system requirements and design documents.
- Performed manual and automated testing to validate functionality and ensure software quality.
- Used Selenium WebDriver to automate functional test cases for a web application.
- Identified and documented bugs to resolve issues.
- Ensured test coverage across various modules to meet software quality standards.

## Education

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University Tun Hussein Onn Malaysia (UTHM)

2022-2026

Major: Software Engineering

Current CGPA: 3.50

Kelantan Matriculation College

2021-2022

Major: Computer Science

CGPA: 3.75

## Skills & abilities

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- **Programming Languages:** PHP, Java, Python, R, C, JavaScript
- **Web Development:** Laravel, HTML, CSS, Bootstrap
- **Databases:** MySQL
- **Data Science & AI:** Pandas, NumPy, Power BI
- **Testing Tools:** Selenium, Manual Testing
- **Version Control:** Git, GitHub

## Soft Skills

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- Communication
- Eager to learn new things
- Fast Learner
- Problem Solving
- Adaptability
- Attention to Details

## Certificates

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- CCNAv7: Introduction to Networks [Issued Aug 2024]
- Power BI for Beginners [Issued Dec 2024]
- Power BI Data Modelling Basics Tutorial Course [Issued Dec 2024]
- SAS Visual Analytics 1 [Issues Nov 2024]
- SAS Viya Overview [Issues Nov 2024]

## Languages

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- Malay
- English

## References

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