Munir Mohamad Rani, *Software Developer*

Bandar Baru Bangi, Malaysia, 012-267 3102, munirmohamadrani@gmail.com

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LINKS

munirrani.com, GitHub, Blogpost, LinkedIn

PROFILE

A Computer Science graduate from Universiti Malaya with internship experience at Digi-X and proven leadership in UMES. Intellectually bookish, with a creative artistic spirit in computer technologies. Has foundational early exposure in generative AI models, blockchain and software development.

EMPLOYMENT HISTORY

Jul 2021 — Jan 2022

Frontend Developer Intern, Digi-X
Subang Jaya

- Maintained the front-end altHR application of Android/iOS app and it's website.
- Involved in DevOps to automate certain processes in organization's GitHub repository.
- Technology used: React Native, Vue.js, GitHub Actions.

EDUCATION

Jun 2018 — Apr 2019

Foundation in Physical Sciences, Universiti Malaya

Graduated with CGPA 4.0

Sep 2019 — Sep 2023

Bachelors of Computer Science (Software Engineering), Universiti Malaya

Graduated with CGPA 3.78

Feb 2022 — Jun 2022

Semester Exchange Student, Konkuk University
Seoul, South Korea

Completed with GPA 3.5

SKILLS

React	Expert	**TailwindCSS**	Experienced
Tensorflow	Experienced	**Python**	Experienced
PyTorch	Beginner	**JavaScript**	Experienced
React Native	Expert	**Git**	Experienced
NodeJS	Expert	**Solidity**	Experienced
LangChain	Skillful	**TypeScript**	Skillful
Unix Shell	Expert	**Vue.js**	Skillful
HTML & CSS	Experienced		

PROJECTS

Feb 2024

Pre-trained AI Transformer Model NLP Exploration

- Explored pre-training a decoder-only transformer model using Keras Tensorflow for text generations. Dataset was based upon Project Gutenberg.

Sep 2022 — Sep 2023

UM Blockchain-based Campus Election E-Voting System

- Final Year Project thesis of a university campus election platform based on blockchain for 2 semesters.
- Technology used: Polygon ZKEVM blockchain, Solidity, Truffle, Node.js, React, Google Firebase.

Jan 2024

AI Email Classifier Model

- Pre-trained a classifier model to classify univerity student emails into 16 categories. Achieved 90% training set validation accuracy. Tool used: Keras Tensorflow, Pandas.

Mar 2023	**WhatsApp ChatGPT Bot**

- Programmed a chatbot that interfaces with ChatGPT, allowing the AI to participate in conversations among any selected WhatsApp chat members whenever invoked.
- Technology used: Whatsapp-web.js, Node.js, OpenAI GPT-3.5 model

Jul 2021	**Notion Book Scrapper Database**

- Built a personal book read watchlist database for book recommendations. Book data such as title, author, price and popularity count are scrapped from Amazon and Goodreads.
- Technology used: Node.js, Notion API.

ORGANIZATIONS

Jul 2022 — Jul 2023	**Vice President at Universiti Malaya Entrepreneurship Secretariat (UMES)**

- Co-founded the organization in July 2022 under provision of Student Affairs Division to establish an student-entrepreneurship ecosystem in UM
- Achievements:
  - Connected with local UM student entrepreneur brands such as EzGIG, UniLah, Afterkelas in organizing entrepreneurship related events.
  - Organized initiatives such as UM Startup Community, a Discord server to connect entrepreneur-minded students around UM and gathered 50 students.

Sep 2019 — Jun 2023	**Active Member at Persatuan Komputer UM (PEKOM)**

Oct 2022 — Oct 2023	**Active Participant at Ethereum KL**

Jul 2023 — Present	**Active Participant at Centre for Advanced Studies on Islam, Science and Civilisation (CASIS)**

COMPETITIONS

Oct 2022	**2nd place out of 13 in UTHM Digital Entrepreneurship Mobile App Competition**

- Became the sole system developer for creating A Non-Fungible Token (NFT) marketplace called Piksel. Documented the works in blogpost. Technologies used: React Native, Ethereum blockchain.
- Developed a Non-Fungible Token (NFT) marketplace in mobile app, allowing users to mint, sell and buy them.
- Technologies used: React Native, Ethereum blockchain, WalletConnect library
- Documented problems faced here.

Nov 2020	**3rd Place Finalist at UniHack International Digital Hackathon Romania**

INVITED TALKS

Apr 2023	**Students in Web3, 3six9 Twitter Spaces**

Link

Jun 2023	**ChatGPT Integration into WhatsApp – Innovation Wednesdays, PEKOM**

Link

Oct 2022	**Blockchain E-voting Systems – APU Blockchain Club Monthly Meetup, Asia Pacific University**

Link

Sep 2022	**Blockchain 101 - YouTube**
	Link
Apr 2021	**Notion Workshop – Harmoni UM, Virtual**
	Link

COURSES

| Apr 2021 | **AWS Academy Cloud Foundations, Amazon Web Service** |

HOBBIES

Reading, coding

LANGUAGES

Bahasa Melayu	Native speaker	**Korean**	A1
English	Highly proficient	**Mandarin**	A1
Arabic	A1		

SCHOLARSHIPS

Program Ijazah Dalam Negara 2020 - Jabatan Pendidikan Awam (JPA)