Mohammad Owais Noor

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SUMMARY

I am a developer skilled in **Python**, **JavaScript** and **Java Enterprise.** My experience and projects mostly include **Web**, **Enterprise** and **AI** applications. My superpower is that I can learn anything.

EDUCATION

Asia Pacific University (Malaysia) and De Montford University (United Kingdom)   **Sept 2021-Sept 2024**

Bachelor's in computer science in Data Analytics   *KL, Malaysia*

- **GPA:** 3.4
- Member of Credit Mechatronics Club, Library Assistant at university library.

WORK EXPERIENCE:

Enterprise Web Developer   Aug. 2024 – December 2024
                                                                                                     Oct 2025 – January 2025

Triaset Sdn Bhd   *Kuala Lumpur, Malaysia*

- Triaset develops treasury management software for financial companies (www.triaset.com).
  - The **main programmer of Forex module** of the software**.**
  - Fixed major bugs in enterprise level project to deliver **three** major projects on time.
  - Was responsible for **Research and Development** on cash flow forecasts AI techniques to assist in next-generation project.
  - **Migrated data** from un-normalized database to complex **relational database** via Transact-SQL.
  - **Testing** functional and non-functional requirements for **multiple client** prototypes.
  - Created a product manual for treasury software for a client.
  - Used **Bit Bucket** and **Turtle Git** version control system
- Received a **bonus** for outstanding performance.
- Technologies used were Java EE, Maven, Rabbit MQ, Atlassian Jira, Transact-SQL and Python for automation.

Frontend and RAG engineer. (Contract)   Sept 2024 to Nov 2024

Tentacle Tech.   *Kuala Lumpur, Malaysia*

- As a developer, I was part of the AI team developing a legislation chatbot for the **Malaysian government**
  - Completed the project **a month earlier** than expected.
  - Improved chatbot **response time** from **8s** to **4s**.
  - Improved **retrieval accuracy** from **61%** initially to **86%**
  - Created an **AI RAG** pipeline optimized from the client from **scratch**
- Technologies used were Python, Llama Index, ReactJS, Tailwind, Hugging Face, Flask API and Ollama.

Full stack web developer   **Jan 2021 to Jan 2022**
Jio Cosmetics   Lilongwe, Malawi
- o **Developed a website** to help customers such for availability of over **2000** products.
- o Was responsible for **facilitating stock take** process every **6 months** for **10000+** cosmetics.
- o Was responsible for **deployment and maintenance** of **Point-Of-Sale** system SDLC.
- o Was responsible for **bookkeeping** and **accounting**.
- Technologies used were MySQL, Python (for scraping), HTML, CSS, JavaScript, PHP and MiPOS.

PROJECTS

Flask RAG Chatbot for Italian/Japanese restaurant.
- **AI chatbot** for booking, business specific questions and custom recommendations.
- Helped increase website engagement by **30%**.
- Connected to Menu Knowledge base and used workflows for **90%** accuracy.
- Used **ReactJS** to render customized in-chat components.
- Used Flask for the microservice application.
- Used AWS LightSail with Linux **Ubuntu**.
- **Technologies used:** Python, OpenRouter, Llama Index, Hugging Faces, Amazon Nova micro, AWS LightSail and S3, Chainlit, PineCone DB and Docker.

AI clothes recommendation with virtual dressing room
- Application **recommends** trendy outfits based on uploaded apparel photos with a **72% accuracy** rate.
- **Virtual dressing room feature** allows user to upload their photo and virtually try on clothes.
- **Surprised supervisor** on the complexity and scale of the system.
- **Technologies used:** Python, TensorFlow, CNNs, Siamese network, Detectron2, OpenCV2, Flask, CSS, HTML, JavaScript.

AI Computer vision punch detection system
- System to count punches of each fighter in a Mixed martial arts match.
- [Project](#) liked by founder of **Multimillion dollar** company Roboflow.
- **Technologies used:** Python, PyTorch, TensorFlow, Detectron2, Google MoveNet, OpenCV2.

RAG Chatbot for largest Bangladeshi Graphic Socks store
- Developed **AI chatbot** for **customer service** and **AI search bar** for Atlanore.com
- Helped increase website engagement by **21%**.
- Deployed chatbot via AWS lambda, AWS LightSail and Shopify development API
- **Technologies used:** Python, OpenRouter, Llama Index, Hugging Faces, Amazon Nova micro, AWS LightSail and S3, Chainlit, PineCone DB and Docker.

Full stack Cosmetics product stock checker
- Application to reduce the **number of phone calls** asking for cosmetics availability to Jio Cosmetics Lilongwe.

- A full stack web app connected to POS stock system.
- Scalable system hosting over 2000 different products.
- **PHP** used for server side and HTML/CSS front end.
- Python **selenium** used for scraping product data from POS database and internet
- **MySQL** normalized database for maintaining products base.
- **Technologies used:** PHP, JS, HTML, CSS, MySQL and Python.

Concurrency applications: Stock market simulator and Airport simulator
- Created Stock market simulator created using concurrency concepts – multithreading, locks, semaphores, asynchronous programming and channels
- **Technologies used:** Rust (Stock market) and Java (Airport simulator)

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** Coursera Neural Networks and Deep learning cert, Erasmus Intercultural Awareness MOOC cert, Cisco CCNAv7 cert, ASBX Start-up Weekend cert,
- **Programming Languages:** Python, Java, JavaScript ,C++, C, Rust, R,, CSS, SQL, PHP.
- **Tools/Frameworks:** Flask, AngularJS, NodeJS , TensorFlow, PyTorch, PowerBI, LlamaIndex, Chainlit, ReactJS, Amazon AWS, MSQL Server, LLMs, Object Detection, Object segmentation, Docker.
- **Interests:** Philosophy, Culture, Coding (especially AI), Badminton.