Mabel Nguyen

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https://github.com/nnmai-mabel
https://nnmai-mabel.github.io/

EDUCATION

Bachelor of Information Technology (Software Development)   **Feb 2022 - Dec 2024 (expected)**
University of South Australia   GPA: 6.92/7.0

PROFESSIONAL EXPERIENCE

Research Intern   **Nov 2023 - Jan 2024**
University of South Australia Research Scholar Internship
Supervisor: Associate Professor Wolfgang Mayer
- Responsible for creating an automated program handling multiple prompts at once and returns answers back.
- Gained and applied concepts about artificial intelligence, natural language processing, and machine learning.
- Quickly learned and applied an open-source language model to extract information from text documents.
- Gained skills:
  - Developed analytical and problem-solving skills while utilising a large language model.
  - Focused on optimising information extraction from text documents while minimising inaccuracies.

PROJECTS

Personal Blog (https://mabel-blog.onrender.com/)   **Mar 2024**
Developed a secure blog-sharing platform featuring Google authentication for user sign-up. Implemented administrative capabilities for content management while enabling seamless user engagement through commenting functionalities. (ReactJS, NodeJS, MongoDB, Firebase)

Chat Savvy Website (https://chatsavvy.vercel.app/)   **Mar 2024**
Implemented a live chat platform, ensuring secure registration and encrypted login for users. Facilitated seamless real-time messaging, fostering dynamic interaction. (ReactJS, NodeJS, MongoDB, DaisyUI)

AI Chatbot (https://shorturl.at/egHV3)   **Nov 2023 - Jan 2024**
Developed an AI chatbot utilising the LLAMA2 open-source language model within Google Colab. Implemented automated prompt lists, proficiently extracted information, and delivered responses with precision. (Python)

Environmental Statistics Website (https://shorturl.at/bmO27)   **Nov 2023**
Built a web application tailored for data manipulation and presentation of environmental metrics across multiple countries. Created intuitive features for seamless data manipulation, facilitating informed decision-making. (ReactJS, HTML, CSS, JavaScript, D3 JavaScript, Bootstrap library, ASP.NET)

Soylent Green Ventures Reservation System (https://shorturl.at/cfjI4)   **Sep 2023 - Oct 2023**
Co-developed a dynamic web application transforming the restaurant experience, encompassing user authentication, streamlined booking functionalities, and a robust loyalty program. Seamlessly integrated features to manipulate and present restaurant details, enhancing user engagement and satisfaction. (HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, ASP.NET)

AWARDS AND COMMUNITY ENGAGEMENT

Chancellor's Letter of Commendation 2023 – UniSA award for top 5% undergraduates in each Academic Unit.
University Summer Vacation Research Scholarship/Internship 2023 – Award by the University of South Australia for students to work closely with experienced researchers.
Chancellor's Letter of Commendation 2022 – UniSA award for top 5% undergraduates in each Academic Unit.
Vice Chancellor Excellence Scholarship – UniSA scholarship: 50% tuition reduction for high-achieving students.
International Student Ambassador – Shared university life of an international student to high school students.
Women in STEM – Member of a university club that targets at creating a great network for everyone to enter STEM.

TECHNICAL SKILLS

- Programming | Python, Java
- Framework | ReactJS, ASP.NET, Bootstrap, TailwindCSS, DaisyUI
- Web and Database | HTML, CSS, JavaScript, MySQL, MongoDB, NodeJS
- Tool | Git, GitHub, Jira