

Yasindu Ariyarathna

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Summary

As a software development and data science student my passion centers around creating efficient, user-friendly software solutions and analysing complex data sets and crafting intuitive visualizations. I thrive on the challenge of turning intricate problems into clear, impactful insights through elegant code. In addition to my academic studies, I enjoy working on personal projects, especially those that serve a purpose to the community.

Education

Swinburne University of Technology	Hawthorn, VIC (Dec 2024)
<i>Bachelor of Computer Science, Majoring in Data Science</i>	

National Institute of Business Management	Colombo, Sri Lanka(2019)
<i>Foundation in Python Programming</i>	

Projects

Full Stack E-Commerce Marketplace website

- Created using the MERN stack with React JS for the front-end and Express with Node JS for backend functionality.
- Designed and implemented RESTful APIs for product and user management, including features for adding, displaying, and updating products, as well as handling shopping cart and user registration.
- Enabled smooth user experiences for browsing and purchasing, with efficient admin management.

Blockchain Transaction Information Visualization System

- Utilized React.js and Material UI to design a responsive and intuitive frontend, enhancing user interaction and visual appeal.
- Implemented Neo4j as the graph database to store and manage blockchain transaction data, enabling efficient data retrieval and complex query execution through cypher.
- Used FastAPI to integrate the frontend and backend, ensuring seamless data flow and system responsiveness allowing users to analyze block chain data.

OECD Data Visualization Website

- Created a website show casing Areas of Health expenditure in Australia and Scatter plot graph show casing life expectancy vs GDP in OECD countries.
- Website was developed through html, CSS and JavaScript ensuring responsive and accessible interface.
- D3.js for data visualization, creating complex, interactive graphs and charts that allow for detailed data exploration and insights.

Key Skills

Technical Skills

- Languages: Python, C#, C++, Ruby, JavaScript, HTML, CSS, SQL
- Frameworks: Node.js, React.js, Express.js, FAST API, D3.js, Material UI, Tailwind CSS
- Tools: Git, AWS, Jira, MongoDB, Visual Studio, Tableau, Figma, Docker, Azure

Soft Skills

- Time Management
- Communication
- Adaptability
- Problem-Solving
- Teamwork
- Creativity
- Leadership
- Project Management
- Work Ethic
- Attention to detail