

ATHUL THAMPAN

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SUMMARY

I'm a Bachelor of Software Engineering student at RMIT University eager to start my career in the IT field. Highly motivated and enthusiastic to leverage my academic knowledge in a dynamic professional setting. Actively seeking opportunities to contribute to and grow within a forward-thinking company.

EDUCATION

RMIT University, Melbourne VIC

July 2022 – June 2026

Bachelor of Software Engineering | GPA: 3.6

Memberships: RMIT CSIT Society, RUSU

PROJECTS

Cloud-Based Music Subscription Web-App | HTML, CSS, Javascript, PHP, AWS (S3, DynamoDB, EC2)

- Developed and deployed a dynamic web application utilising HTML, CSS, JavaScript, and PHP on AWS EC2, enabling efficient management and display of music subscription services.
- Implemented user authentication and registration processes using a DynamoDB-backed login system.
- Engineered a robust AWS infrastructure including S3 for scalable image storage and retrieval, and DynamoDB for real-time data handling, significantly improving the app's performance and scalability.
- Designed and integrated a user-friendly interface that allows subscribers to seamlessly access and interact with a diverse library of artist images and music information stored in AWS S3 and DynamoDB.
- Optimised web application responsiveness and cross-browser compatibility, ensuring a smooth user experience.

Facebook Metrics Analysis | Python, NumPy, Matplotlib, Pandas, Jupyter Notebook

- Conducted in-depth analysis of Facebook metrics dataset sourced from a publicly available data source, focusing on posts from a leading cosmetics brand's Facebook page in 2014.
- Applied data cleaning and pre-processing techniques to ensure data quality and suitability for analysis, including handling missing values and standardising formats.
- Utilised exploratory data analysis techniques to visualise trends, patterns, and relationships within the dataset, providing valuable insights into the posts' performance using tools such as Matplotlib.
- Collaborated with team members using Jupyter Notebook as the primary environment for data analysis, code execution, and project documentation.

Closing The Gap Web-App | Java, HTML, CSS, SQL

- Developed "Closing the Gap," a web application designed to highlight and educate on the socio-economic disparities between Indigenous and non-Indigenous populations in Australia.
- Engineered the backend using Java and Javalin framework to manage server-side logic. Implemented data handling using JDBC and SQLite to manage and query large datasets effectively.
- Designed and implemented a user-friendly front end using HTML and CSS, ensuring responsive and intuitive navigation. Incorporated dynamic data visualizations that allow users to filter and compare socio-economic factors across various categories such as health and education.
- Worked collaboratively with project partner, sharing responsibilities for design decisions, code implementation, and debugging.

TECHNICAL SKILLS

- **Languages:** (*proficient*): Python, Java, C++, HTML, CSS | (*familiar*): Javascript, SQL, PHP
- **Developer Tools:** Git, Visual Studio Code, AWS, Jupyter Notebook, FileZilla, IntelliJ, Figma, VirtualBox
- **Operating Systems:** macOS, Linux, Windows
- **Office Suites:** Microsoft Office (Word, Excel, PowerPoint, Outlook), Google Workspace (Docs, Sheets, Slides, Gmail)
- **Collaboration Tools:** Microsoft Teams, Zoom

EMPLOYMENT

Sandwich Artist, Subway Essendon DFO

June 2023 – Present

- Collaborated with team members to streamline workflows and improve operational efficiency.
- Managed time and prioritised tasks to meet deadlines and ensure timely order preparation during peak hours.
- Handled multiple tasks simultaneously, maintaining accuracy and efficiency in order preparation.