

Cipta Pratama

cipta.pratama401@gmail.com | +61 413 251 165

Recent Computer Science graduate with knowledge of software development and data analysis. Seeking to leverage my broad education of analytical, technical, and programming skills in an entry-level software engineer position and solve real-world challenges.

Education

Bachelor of Computer Science – Data Science

Aug 2020 – Dec 2022

Monash University, Clayton Campus

Melbourne, VIC

Diploma of Information Technology

Oct 2019 – June 2020

Monash College, Clayton Campus

Melbourne, VIC

Relevant Coursework:

Algorithm & Data Structures, Data Science, Databases, Data Warehouse & Architecture, Object Oriented Design, Business Intelligence, Software Engineering Practices, Computer Systems, Network, and Security, 3D Design, Software Quality Testing, Machine Learning.

Skills

Programming: Python, C, JavaScript, R, Java, C++
Web Development: HTML, CSS, Flask, Django, REST APIs
Databases: SQL (MySQL, PostgreSQL, NoSQL)
Others: Pandas, Power BI, Tableau, AWS, GCP, Git

Notable Projects

Suburb Recommender

- Spearheaded the development of a web application and research for a final Data Science project at university. The primary goal was to assist new students in Victoria by recommending suitable suburbs based on given data by users.
- Front and Back-end development using JavaScript and Flask, respectively. The team utilised Agile methodologies to optimize workflow and efficiency.
- Proficiently collect and analyse data utilizing Jupiter Notebook and a variety of libraries. Stored data was efficiently managed in SQLite, facilitating seamless querying and visualization processes.
- Enhanced the functionality of the application by integrating Google APIs, which significantly improved the accuracy of suburb recommendations.

Boediman Coffee

- Built a dynamic and responsive ecommerce platform using React and Next JavaScript to promote a coffee shop and sell coffee beans online.
- Created a user-friendly interface that works seamlessly across desktop and mobile devices.
- Processed customer's information and payments, calculated purchase subtotals and shipping cost. Integrated Midtrans Payment Gateway to ensure secure and reliable online transactions for customers.
- Implemented a MySQL database to efficiently store and manage product details, inventory, and transaction records.