Adee Aryaa

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EDUCATION

- **National University of Singapore** — Singapore
  Bachelor of Computing Honours (Distinction) - Computer Science — *August 2021 - May 2025*
  Courses: *Design and Analysis of Algorithms, Operating Systems, Data Structure, Database Systems Implementation, Databases, Internet Architecture, Networks*

- **Victoria Junior College** — Singapore
  88.75 / 90 RP - Science Stream — *January 2017 - November 2018*
  Courses: *Mathematics, Economics, Chemistry, Biology, General Paper, Hindi*

SKILLS SUMMARY

- **Languages**:   Python, Java, Javascript, C++, C#, C, Bash, SQL
- **Frameworks**:   ReactJS, NodeJS, Django, Flask, VueJS, ASP.NET
- **Tools**:   Git, Vim, Visual Studio Code, Visual Studio, Docker, Kubernetes, PostgreSQL
- **Soft Skills**:   Leadership, Communication, Teamwork, Time Management

EXPERIENCE

- **The Software Practice Pte Ltd** — Singapore
  Software Engineering Intern — *May 2024 - Present*
  - Developed unit tests, increasing code coverage by 25% reducing bugs.
  - Implemented backend APIs using ASP .NET to handle queries from the frontend, improving data processing efficiency by 20%.
  - Optimized database queries, improving performance and reducing query execution time by 40%.

- **Vertex Holdings Pte Ltd** — Singapore
  Software Engineer Intern — *May 2023 - August 2023*
  - Integrated the use of OpenAI APIs into our product and utlized them for a chatbot and also implemented a feature where long meeting notes could be summarized easily
  - Developed and maintained the frontend and backend of the product using React.js and Django respectively.
  - Wrote unit tests to increase the code coverage from 75% to nearly 80%
  - Contributed to the UI/UX design, to ensure that the product was usable on mobiles as well

- **Powerhouse AI** — Singapore
  Software Engineer Intern — *January 2023 - April 2023*
  - Utilized Google Vision API in my python script to help extract the dimensions of boxes which increased the efficiency of the measurement process
  - Created python scripts to retrieve and manipulate data from the Firebase Cloud Database.
  - Utilized Algodocs to define and implement regex rules enabling the extraction of specific details and information from documents

PROJECTS

- **Spoiler detection (NLP and Machine Learning)**: A Machine Learning Project conducted on IMDB reviews dataset to determine whether spoilers were present in a review. Incorporated all stages of the ML Pipeline including data collection, preprocessing, training, cross validation and model explainability. Tech: Numpy, Pandas, Scikit, NLTK, SpaCy (October '22)
- **The Good Place (Web Development)**: The Good Place is a web platform which gamifies volunteering through providing self-incentivizing projects, certifications and connecting users to the larger community. Tech: ReactJS, Firebase (April '22)
- **Homana (NFT Marketplace)**: Homana is a cross-border real estate market place built on the Solana Blockchain platform. It was build with the aim of making property ownership immutable, secure and transferrable through registering a property as an NFT. Tech: ReactJS, Rust, Metaplex
- **Binary Builders (Mobile Developement)**: A mobile App built to buy sell PC parts quickly, and provide an interface that allows users to view their custom-made PC builds, edit them, and calculate the price. Tech: ReactNative, Firebase (July '21)

HONOURS AND AWARDS

- Certificate of Merit (Database Systems Focus Area), NUS - July 2024
- Certificate of Distinction (Networking and Distributed Systems Focus Area), NUS - January 2024
- Singapore School's Sports Council Colours Award - August 2018

VOLUNTEER EXPERIENCE

- **Computing and Math Tutor** — Singapore
  Teaching secondary school students python and mathematics. — *March 2024 - Present*

- **Volunteer at Prema Vasam Orphanage** — Singapore
  Taught English, donated clothes and raised funds for over 200 children. — *November 2015 - December 2015*