

EDUCATION

Nanyang Technological University, Singapore

- Pursuing a Bachelor of Engineering in Computer Science
 - Anticipating graduation with Honours (Distinction) with a CGPA of 4.32/5.00, demonstrating exceptional academic performance
 - Developed proficiency in Python programming language through coursework and projects
 - Familiarity with database technologies and data analytics, laying a robust foundation for a career in data engineering
 - Coursework and projects focused on data processing, data science, and software development, honing skills in data engineering principles
-

ACADEMIC PROJECTS

AI Chatbot Development for Efficient Data Processing

- Designed and developed an AI chatbot utilizing Talend's data manipulation capabilities to streamline FAQs about Nanyang Technological University, achieving a remarkable 90% response accuracy
 - Optimized performance and enhanced response accuracy by integrating OpenAI's embedding model, Google Cloud's Vertex AI, and ChromaDB, demonstrating expertise in applied data engineering principles and scalable data pipeline development
 - Applied data engineering expertise to design and develop efficient ETL workflows, ensuring high-quality data processing and effective database design for both relational and NoSQL databases
-

INTERN EXPERIENCE

Data Engineer Intern at DBS Bank Ltd

- Developed a scalable data pipeline using Apache Spark, Python, and Python libraries, processing and integrating data from multiple sources with high data quality and integrity
- Collaborated with stakeholders to understand data requirements, ensuring timely and effective data delivery through optimized workflows
- Designed and developed a robust ETL workflow using Talend, ensuring seamless data integration and optimization for business-critical insights

Software Developer Intern at FoodLine.sg Pte Ltd

- Integrated Zoho CRM with a full-stack web application to enhance customer-facing processes and lead management with increased efficiency and responsiveness
- Designed and implemented secure database schemas in MySQL, leveraging prepared statements and data sanitization for robust data protection
- Ensured responsive backend functionalities using PHP and JavaScript for server-side scripting, resulting in improved overall application performance

Software Engineer Intern at Undercurrent Capital Pte Ltd

- Developed front-end interfaces for Decentralized Applications (DApps) using React and Tailwind CSS, delivering a modern and user-friendly interface
 - Composed highly efficient and secure smart contracts using Pyteal and JavaScript for various DApps features, ensuring robust and reliable functionality
 - Authored comprehensive test cases using Mocha Testing Framework and conducted end-to-end testing for successful deployment, ensuring defect-free deployment
-

CO-CURRICULAR ACTIVITIES

Freshmen Orientation Programme

- Designed and coordinated data-driven activities for 250 freshmen, showcasing analytical skills and ability to work with large datasets
 - Assisted in canvassing and successfully raised over \$1000, demonstrating project management skills, stakeholder collaboration, and budget management
 - Served as Programme Committee Member, utilizing leadership and project management skills to deliver a successful event, with a focus on problem-solving and analytical skills
-

SKILLS

Language Skills:

English: Proficient, Chinese: Conversant

Programming Languages:

Python, SQL

Frameworks & Libraries:

Talend, Apache Spark

Technologies:

