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INTERNSHIP OBJECTIVE

As a motivated Data Science and Artificial Intelligence undergraduate, I am seeking a summer internship from **May to August 2025** to apply my technical expertise, collaborate with industry professionals, and gain practical work experience. With a strong foundation in data analysis, machine learning, and software engineering, I am keen to tackle real-world challenges while continuously learning and adapting in dynamic environments. My leadership experience as Chairperson of one of NTU's Big 4 Freshmen Orientation Programmes has strengthened my teamwork and interpersonal skills, enabling me to communicate and collaborate effectively in teams. Passionate about problem-solving and innovation, I am excited to explore fresh ideas, gain new knowledge and contribute meaningfully to impactful projects.

EDUCATION

Nanyang Technological University, Singapore

Aug 2023 - May 2027

Bachelor of Computing, Data Science and Artificial Intelligence, 4.21 GPA

- College of Computing and Data Science (CCDS) Student Ambassador, 2024 - Present
- Open House Student Ambassador, 2024
- School Scholarship, 2023 – Present

Singapore Polytechnic, Singapore

Apr 2018 - May 2021

Diploma in Bioengineering, 3.92 GPA

- Diploma with Merit, 2021
- Recipient of MAE Final Year Project Exhibition Gold Medal, 2021
- Recipient of SP Engineering Show Winner Award, 2021
- Director's Honour Roll, AY 2019/2020
- Director's Honour Roll, AY 2018/2019

PROJECT WORK

Nanyang Technological University, Singapore

Software Engineering – Food Content Social Media Website

Aug 2024 - Dec 2024

Designed and developed a social media platform for food enthusiasts to share culinary recipes, explore food recipes, discover new dishes, and track their caloric intake. The platform enabled dynamic user interactions, including liking, commenting, and reporting recipes.

- Applied MVC design architecture and SOLID principles to develop a scalable and maintainable codebase
- Developed web application using Node.js, integrating HTML, CSS and JavaScript
- Contributed to both front-end and back-end development, ensuring a responsive and user-friendly interface
- Delivered a comprehensive Software Requirements Specification (SRS)
- Collaborated with a team of 6 and achieved an A- grade for the course

Object-Oriented Design & Programming – Food Ordering Management System

Jan 2024 - May 2024

Designed and developed a food ordering application to streamline the process of ordering, payment, and order management for both customers and staff in fast food restaurants. The application was developed using Java with emphasis on Object-Oriented Programming (OOP) principles.

- Implemented core OOP concepts to ensure a modular codebase
- Designed UML class diagrams using visual modeling tools to structure the system architecture
- Conducted unit testing to validate functionality and ensure system reliability
- Collaborated with a team of 5 and achieved an A grade for the course

Introduction to Data Science & Artificial Intelligence – Data Analysis and Machine Learning

Jan 2024 - May 2024

Developed a predictive model to determine the likelihood of a hotel guest showing up based on historical booking data. The project involved data preprocessing, exploratory data analysis (EDA), and machine learning model training to identify key factors influencing guest attendance.

- Performed EDA to identify correlations and determine key features impacting guest attendance
- Trained and fine-tuned machine learning models, including Logistic Regression, Decision Tree, Random Forest, and Recurrent Neural Networks
- Assessed model performance using accuracy, precision, and recall metrics to ensure reliability
- Collaborated with a team of 3 and achieved an A grade for the course

WORK EXPERIENCE

AI Singapore

May 2024 - Aug 2024

AI Engineer, Intern

- Collaborated with a team of 6 to improve the accuracy and factuality of a Large Language Model (LLM)
- Developed and integrated citation features to ensure LLM-generated outputs were verifiable and aligned with source references
- Applied software engineering best practices, including version control, code reviews, and unit testing, to maintain a robust and scalable codebase
- Participated in agile methodologies, including sprint planning, sprint reviews, daily stand-ups, and retrospectives, to ensure project milestones were met

CO-CURRICULAR ACTIVITIES

NTU Welfare Services Club, Ignite Change

Sep 2024 - Present

Chairperson

- Spearheaded one of NTU's Big 4 Freshmen Orientation Programme, guiding over 200 NTU freshmen in their transition to university
- Led a team of 13 executive committee members and oversaw a club of 80 members, organising volunteering and bonding events throughout the academic year to enhance club cohesion
- Promoted the spirit of volunteerism while fostering a fun and engaging club environment

NTU Welfare Services Club, Volunteer Movement

Sep 2024 - Present

Regular Volunteer

- Committed to monthly volunteering with various beneficiaries and service users, ranging from children to the elderly

NTU CCDS Transitional Orientation Programme

Sep 2023 - Aug 2024

Chief Group Leader

- Led a team of 10 group leaders, ensuring the well-being of approximately 70 CCDS freshmen
- Provided mentorship and academic support, addressing concerns and guiding freshmen through their transition

SP Outstanding Talent Programme

Apr 2019 - May 2021

Member

- Awarded Certificate of Achievement (Outstanding) for exceptional completion of the programme
- Engaged in leadership and personal development workshops, designed to nurture top 10 percent of SP students

SP Karate Club

Apr 2018 - May 2021

Executive Committee Member

- Managed club finances, overseeing budgeting and expense tracking to support club activities
- Demonstrated discipline and sportsmanship through active participation in karate trainings and competitions

TECHNICAL SKILLS

- **Data Analysis:** Proficient in EDA, Statistical Modeling, and Machine Learning using Jupyter Notebook
- **Generative AI:** Experience with LLMs, Prompt Engineering, and Retrieval-Augmented Generation
- **Web Development:** Experienced in front-end and back-end development using HTML, CSS, JavaScript, and Node.js
- **Programming:** Strong foundation in OOP with proficiency in Python and C Programming Languages
- **Version Control:** Experienced with Git, GitHub and GitLab for collaborative code development