

Nur Dilah Binte Zaini

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EDUCATION

Nanyang Technological University, Singapore

Aug 2020 – Dec 2023 (Expected)

Bachelor of Engineering (Computer Science)

Specialization: Data Science and Artificial Intelligence

- Relevant Modules: Data Structures & Algorithms, Algorithm Design & Analysis, Object Oriented Design & Programming, Advanced Software Engineering, Database System Principles, Artificial Intelligence

Nanyang Polytechnic, Singapore

Apr 2017 – Mar 2020

Diploma in Multimedia and Infocomm Technology

Specialization: Infocomm Solutions

- Diploma with Merit, CGPA: 3.94/4.00
- Directors' List for all 5 semesters
- Edusave Certificate of Academic Achievement 2018, 2019 and 2020
- Edusave Skills Award 2020
- Achieved Distinction in: Object-Oriented Analysis & Design, Database Fundamentals, Database Design and Implementation, Network Services Implementation, Software Engineering Practices
- Relevant Modules: Web Design & Development, Mobile Application Development

Whitley Secondary School, Singapore

Jan 2013 – Dec 2016

Singapore Cambridge O Levels

- Edusave Good Progress Award

ACADEMIC PROJECTS

Nanyang Technological University, Singapore

Jan 2023 – Dec 2023

Final Year Project

Title: Forgery Localization in images

- Developed a forgery detector model with a universal feature set detecting information-preserving tampering operations performed on specific regions of an image using Python
- Implemented an application that utilized the model providing a user-friendly interface for users to interact using Python Tkinter

Software Engineering Project

Sep 2021 – Oct 2021

Title: Outthink Itinerary Planner

- Collaborated with team members to document Software Requirements Specification Document, design the application's Dialog Map and developed the applications' User Interface based on an agile development model
- Programmed the Agenda page of the mobile application using Java for the user to add or remove locations that are recommended based on the user's preference for user's one-day itinerary plan for both frontend and backend

Information Retrieval Project

Mar 2023 - Apr 2023

Title: Movies Search Engine (Data Crawling Role)

- Collaborated with a team of five to implement a search engine which provides the proportion of reviews that are positive, negative or subjective, illustrating a general picture of what has been said by the public for the movie
- Implemented web crawling code using BeautifulSoup for dataset acquisition and the search engine interface, crawled over 10,000 records

PERSONAL PROJECTS

Samsung Solve For Tomorrow 2022 Competition

Nov 2022 – May 2023

Title: Plativity Mobile Application Prototype

- Developed gamified mobile app prototype using Figma that integrates to-do lists with a collectible card game (CCG), with a focus on automating the decision-making process when prioritising tasks, achieved Top 5 placing as the Finalist team

NUS IDEATE 2021 Competition

July 2021 – Aug 2021

Title: StackLah! Mobile Application Prototype

- Performed requirement analysis of given business problem and applied design thinking concepts to design a foldable cart prototype that aims for user convenience and reduction in use of plastic bag
- Created business plan presentation deck and presented business plan pitch to the judges

WORK EXPERIENCE

Central Provident Fund Board

May 2022 – Dec 2022

RPA Centre of Excellence, Intern

- Adopted an agile methodology with pair-programming technique to develop a booking system app for a CPF use case using Power App and Power Automate
- Implemented UiPath Script for COVID-19 Tracking CPF use case to automate internal user's mundane task, leading to an increase in staff's productivity
- Developed VBA script for CPF use case to send out bulk emails to multiple recipients
- Assisted in Basic In-House UiPath Training, clarifying doubts and technical issues experienced by trainees

ST Electronics

Mar 2019 – Aug 2019

IOT Centre of Excellence, Intern

- Created test scripts for the web application using JMeter to determine the application's performance under real-life load conditions before deployment and generated the results in dashboard report
- Performed Black Box Testing on web application as part of the testing and integration stage

CO-CURRICULAR ACTIVITIES

Nanyang Polytechnic's School of Engineering Club

Mar 2017 – Dec 2018

Assistant Student Organiser

- Participated in organising and hosting club events for Nanyang Polytechnic

Volunteer Work

Apr 2017 – Apr 2018

- Volunteered in Habitat for Humanity organisation to help in painting the room for the elderly
- Played an active role in assisting students in Drone and Robotics Workshop for primary and secondary school

SKILLS

Languages: Proficient in English and Malay

Programming: HTML, CSS, JavaScript, Python, Java, C#, Node.js, MySQL, VBA, React.js

Software Applications: Jupyter Notebook, Google Colab, Microsoft Power Apps, Microsoft Power Automate, UiPath