Pankti Shah

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EDUCATION

Singapore University of Technology and Design   **Singapore**
- Bachelor of Engineering (Computer Science and Design), Honours   **August 22 to Present**
- Specialisation in Data Analytics
- Date of graduation: May 2026

WORK & TRAINING EXPERIENCES

Tiktaught- AI based video learning platform   **Singapore**
Undergraduate Research Opportunity Programme   **Jan 24 to ongoing**
- AI project under Prof. Kenny Choo to aid video-based learning by building a platform utilizing OpenAI (GPT-4) API to perform word embeddings to answer learner's question about the video's content.
- Used flask to integrate functionality that allows learners to navigate to a section of the video depending on where their questions are answered.

Walnut.AI   **Singapore**
AI/ML Intern, Financial Services   **May 23 to Aug 23**
- Label and Clean training datasets to eliminate redundancies in data extracted from financial statements and Notes to Account.
- Used sqlalchemy to store data and make queries on cleaned data extracted from annual reports
- Conducted business analysis and created Proof of Concepts of the financial spreading product for DBS and AmBank.
- Collaborated with the developer team to execute the integration of Notes to Accounts data extraction to the financial spreading product.

Flint   **Singapore**
Chief Information Officer   **Oct 22 to Dec 23**
- Crafted and presented pitches at fundraisers and competitions which resulted in funding of $70,000 from the Youth Action Challenge held by the National Youth Council and $2000 from SUTD's 10k competition.
- Designed the e-commerce website UI.
- Organised an innovation competition/hackathon at NTU.

Green My Carbon   **Singapore**
Intern   **Sep 21 to Jan 22**
- Researched and analysed carbon sequestration data trends
- Created a database about the capability of various tree breeds to offset carbon emissions.
- Designed dashboard for clients to measure, monitor, offset and report their carbon footprint.

ACADEMIC PROJECTS

Calendar scheduling app
- Team won $1000 cash prize for a full stack app using Java, XML and SQL for students to add university events to their calendar and allow school administrators to market events to students.

PPE detector project
- An application to detect helmets and safety goggles of workers at construction sites using tensorflow, OpenCV and peeking duck.

Interactive IOT Dustbin
- Created a dustbin with a 90s arcade style game on its body that can be played by throwing the trash inside the bin
- The bin was programmed using an Arduino and to solve the littering issue faced outside Expo MRT

Arcade game - What the Whack
- A FPGA based rock, paper, scissors game with a twist coded in Lucid to implement a finite state machine from scratch.

CO-CURRICULAR ACTIVITIES

- **President and Founder** of Women in Stem Club
- **Teaching Assistant** for 10.014 Computational Thinking for Design to **help 50 students** to learn python and basic coding principles.
- **Student Facilitator guiding 100 female** secondary school students in Career Connect (Design Z + JP Morgan) to learn design in STEM
- **Secretary** of Google Developer Student Club (3DC-Digital Design and Development Club)
- **Member** of SOAR-SUTD Organization of Autonomous Robots (Robotics Club)
- **Choreographer** at Taal Indian Dance Club

ADDITIONAL INFORMATION

- **Machine Learning Specialization**: Completed a specialization from Stanford and DeepLearning.AI
- **UI / UX design Specialization:** Completed a specialization offered by California Institute of the Arts
- **Trinity College of London communication skills**: Distinction in Trinity College of London Communication Skills Examination
- **Advanced skills** in Java, Python, C/C++, HTML, CSS, JavaScript, React, Tailwind, Flask, Swift UI, Swift, Figma and Adobe XD.
- **AI and Data analysis** skills in Scikit-learn, NumPy, pandas, matplotlib, and TensorFlow/Keras.