

JYOTSNA VENKATESAN

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Education

The Hong Kong Polytechnic University

BSc (Hons) in Computer Science

2022 – 2026

Full Tuition Scholarship

Honors & Awards

Full Tuition Scholarship — Merit-based scholarship for entire undergraduate study	2022 – 2026
HKSAR Reaching Out Award — Government award for international student outreach	2024
Cathay Pacific Hackathon Semi-finalist — Semi-finalist among 1500+ participants	2024
Micro Fund Shortlisted Team — Admission to HKSTP's Ideation Program and received HK\$20K	2025

Skills

Languages & Web: Python, Java, C++, C, JavaScript, TypeScript, HTML/CSS, React, Node.js, Express.js, Flutter

Backend & DevOps: MySQL, MongoDB, PostgreSQL, REST APIs, Docker, Git, GitHub Actions, CI/CD

AI & ML: TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Machine Learning, Deep Learning, Neural Networks

Testing & Tools: Selenium, Appium, JUnit, TestNG, Bash, MIPS, R

Experience

AI Software Developer Intern

Career Hackers

June 2025 – Present

Hong Kong

- Developing features for an AI interview platform with TypeScript in React.
- Designing data schemas and interfaces for the platform with Figma.

Co-founder and CTO

Vexos

May 2025 – Present

Hong Kong

- Founded an AI-powered location intelligence company.
- Accepted into HKSTP's 1-year Ideation Programme; secured HKD 20,000 in funding.

Part-time QA Intern

GoGoX

September – December 2024

Hong Kong

- Automated 90% of regression test suite, reducing manual testing time from 2.5 days to 3 hours with Java and Appium.
- Improved test coverage through data-driven testing techniques.

Quality Assurance Intern

GoGoX

June – August 2024

Hong Kong

- Automated 100% of sanity test suite, reducing execution time by 25% with Java and Appium.
- Expanded automated test coverage across 3 platforms and 3 countries.

UI/UX Designer Intern

PolyU Smart Cities Research Institute

February 2024 – May 2024

Hong Kong

- Designed software for QC Spatial-3Dx, a 3D camera application using Figma and Adobe Photoshop.
- Led front-end development using React and Three.js for a responsive website.

Web/Front-End Developer Intern

Oxbridge Economics

June 2023 – August 2023

Remote

- Designed and developed web apps that made economic research easier to access and understand using Figma and React.

- Implemented RESTful API connections, improving data flow efficiency between front-end and back-end.

Student Assistant

February 2023 – April 2023

CLP

Hong Kong

- Contributed to the development of PolyU's Generator Inspection Robot for CLP.
- Conducted testing of the robot at CLP's power plant.

Leadership & Activities

Member , Rewriting the Code	2025 – Present
President , PolyU Hall Community Service Group	2024 – 2025
Vice President , PolyU SAO International Student Association	2023 – 2024
Powertrain Member , PolyU E-formula Racing (Powertrain)	2023 – 2024
Tech Mmember , PolyU Robocon Team	2022 – 2023
Workshop Facilitator , ProjeKt Inspire, Tanzania	2024