JYOTSNA VENKATESAN

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EDUCATION

BSc (Hons) in Computer Science, The Hong Kong Polytechnic University — Expected 2026
Minor in Business Economics

SKILLS

Languages: Python, Java, C++, C, MIPS, R — *Web:* HTML, CSS, JavaScript, React, Flutter
QA: Selenium, Appium, JUnit, TestNG — *Others:* Bash, Blender, SolidWorks, Git, Docker, SQL

LEADERSHIP & ACTIVITIES

- President, PolyU Hall Community Service Group — July 2024 - July 2025
- Vice President, PolyU SAO International Student Association — July 2023 - July 2024
- Powertrain Sub-team Member, PolyU E-formula Racing Team — August 2023 - June 2024
- Workshop Facilitator, ProjeKt Inspire, Tanga, Tanzania — January 2024
- Mapping Team Member, PolyU Robocon Team — November 2022 - June 2023

EXPERIENCE

QA Automation Intern, GoGoX — Sep 2024 - Present

- Automated 80% of Regression Test Suite, reducing manual testing time from 2.5 days to 3 hours
- Improved test coverage by 30% through data-driven testing techniques

Quality Assurance Intern, GoGoX — Jun 2024 - Aug 2024

- Automated 100% of Sanity Test Suite, reducing execution time by 25%
- Expanded automated test code coverage across 3 platforms and 3 countries

UI/UX Designer, PolyU Smart Cities Research Institute — Feb 2024 - May 2024

- Designed visually compelling icons and brochures for QC Spatial-3Dx software
- Led front-end development using React and Three.js for responsive website

Web/ Front-End Developer Intern, Oxbridge Economics — Jun 2023 - Aug 2023

- Designed and developed responsive web applications using modern front-end technologies (e.g., React, Vue.js)
- Implemented RESTful API connections, improving data flow efficiency between front-end and back-end by 30%

Student Assistant, CLP — Feb 2023 - Apr 2023

- Contributed to 'CLP Generator Inspection Robot' development and testing
- Gained hands-on experience with state-of-the-art robotics technology

Digital Media Creator, AInspire — Apr 2021 - May 2022

- Produced AI-focused YouTube videos featured on FoxTV Chicago
- Leveraged video editing software to create visually appealing content

Founding Developer and Moderator, Auxiliors — May 2021 - Aug 2021

- Developed responsive platform using HTML, CSS, and JavaScript; increased user retention by 50
- Facilitated engaging sessions, increasing participant engagement by 30

Front-End Web Developer Intern, Sleep Deprived Dreamers — Jun 2021 - Jul 2021

- Developed educational website front-end, resulting in 15,000+ hours of user engagement
- Awarded 15,000 INR scholarship for performance and innovative contributions