

# Shambhavi Goenka

shambhavigoenka.netlify.app | +65 88904341 | shambhavig.2019@scis.smu.edu.sg | Singapore

## EDUCATION

### SINGAPORE MANAGEMENT UNIVERSITY

#### BSC IN COMPUTER SCIENCE

May 2024 | Singapore

Cum Laude

Major GPA: 3.5 / 4.0

#### Teaching Assistant

CS204 Networking, IS214 Enterprise Solutions, ISFS603 Blockchain, ISFS622 Quantum Computing

#### Research Assistant to Prof Paul Griffin

#### PUBLICATION

N. Schetakakis, D. Aghamalyan, P. Griffin, and M. Boguslavsky. Review of some existing qml frameworks and novel hybrid classical-quantum neural networks realising binary classification for the noisy datasets. Scientific reports, 12(1):11927, 2022.

### LA MARTINIÈRE FOR GIRLS

Grad. May 2019 | Kolkata, India

## COURSEWORK

Software Engineering  
Data Structures and Algorithms  
Cloud Architecture  
Functional Programming  
Machine Learning  
Artificial Intelligence  
Networking

## SKILLS

### PROGRAMMING

Advanced Proficiency

• Java • Python • JavaScript  
• NodeJs • React • Kafka  
• Azure • AWS • Tableau  
• PowerBI • SQL • GraphQL  
• Docker • Kubernetes • R  
• NLP • OpenCV • Golang  
• C++/C • Terraform • Swift  
• Ruby/Rails

## LINKS

Github:// [shambhavi-goenka](#)

LinkedIn:// [shambhavi-goenka](#)

LeetCode:// [sgoenka](#)

Website:// [shambhavigoenka](#)

## WORK EXPERIENCE

### FORGE VENTURES | TECHNICAL ENGINEER INTERN

July 2024 - Present | Singapore

- Developed and implemented a Customer Relationship Management (CRM) system for portfolio companies, increasing data management efficiency by 40% and reducing operational delays by 25%.
  - Designed a CRM for investors, improving relationship management by 30% and cutting deal flow errors by 20%.
  - Integrated CRM systems across multiple cloud platforms, thereby reducing compatibility issues by 90%.
- Stack:- Python, Azure, Google Cloud, GitHub, Zapier, Airtable, OpenAI, Slack

### SCHAFFLER GROUP | AI SOFTWARE ENGINEER INTERN

May 2023 - Aug 2023 | Singapore

- Developed Python-based generative AI tool on Azure that utilises blob storage for document summarisation, question- answering, and meeting transcription, enabling efficient query processing with 95% accuracy.
  - Designed integrated algorithm in Python and JavaScript, improving internal package delivery efficiency by 78%.
  - Integrated internal Power Automate chatbot, improving data lookup by 22% and meeting scheduling by 65%.
- Stack:- Python, Azure, Postman, GitHub, Jira, JavaScript, OpenAI, GenAI

### ICOMPAAS | CLOUD OPERATIONS INTERN

May 2021 - Dec 2021 | Remote

- Conducted vulnerability testing and timely patching strategies for 10 AWS clients, resulting in a 22% reduction in critical vulnerabilities detected and an average patching time of 48 hours.
  - Streamlined testing processes for various compliance standards (e.g., ISO27001, SOC2) for AWS deployments, reducing testing time by 40% and ensuring 100% compliance adherence.
  - Worked with clients to optimize AWS resource allocation, achieving 20% cost savings through rightsizing instances, and refined AWS cloud architecture, improving scalability and performance by 25%.
- Stack:- Java, AWS (multiple services), Terraform

### YARA INTERNATIONAL | BUSINESS ANALYST INTERN

May 2020 - Aug 2020 | Singapore

- Employed analytical and technical expertise to provide insights and proposals to support business improvements through NLP and Machine Learning techniques for descriptive and predictive analysis.
  - Created Python scripts for data collection, scraping, cleaning, and processing (ETL) to optimise market research efficiency.
- Stack:- Python, Selenium, SQL, JavaScript, PowerBI, Azure, MongoDB

## LEADERSHIP EXPERIENCE

### STRATEGICA CLUB, SMU | PRESIDENT

August 2021 - July 2021 | Singapore

- Reoriented a 200-member club's activities online during the pandemic, maintaining high engagement levels and spearheading innovative initiatives.
- Increased club recognition, leading to an invitation to the Spiel Convention in Germany post-pandemic, resulting in a 15% boost in membership and a 20% increase in event participation.