Shambhavi Goenka

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

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY
BSc in Computer Science
May 2024 | Singapore
Cum Laude
Cum. GPA: 3.4 / 4.0
Major GPA: 3.5 / 4.0

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

LA MARTINIERE FOR GIRLS
Grad. May 2019 | Kolkata, India

COURSEWORK

Software Engineering
Data Strucutres 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
- NLP • OpenCV

Intermediate Proficiency
- Terraform • Swift
- R • C++/C • Golang

LINKS

Github:// **shambhavi-goenka**
LinkedIn:// **shambhavi-goenka**
LeetCode:// **sgoenka**
Website:// **shambhavigoenka**

WORK EXPERIENCE

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

SMU SCHOOL OF COMPUTING AND INFORMATION SYSTEMS |
Research Intern to Professpr Paul Griffin
May 2021 – July 2021 | Singapore
Publication
N. Schetakis, 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.
Stack:- Python, IBM, PennyLane, TensorFlow, Jupyter Notebook

ICOMPAAS | Cloud Operations Intern
May 2020 – Dec 2020 | 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 in- stances, 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
- Provided 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, cleaning, and pre-processing to optimise market research efficiency.
  Stack:- Python, Selenium, SQL, JavaScript, PowerBI, Azure

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.