SIDHARTH SREEKUMAR

sidsreekumar.work@gmail.com | www.linkedin.com/in/sidharth-sreekumar-/ | https://github.com/Sid-005

A backend developer well-versed in architecture design, middleware and api scripting with an interest in cloud computing, data analytics and financial services.

EDUCATION

The Hong Kong Polytechnic University *Aug 2022 - Aug 2026 (expected)*
- BSc (HONS) Computer Science, Minor in Business Management *[Academic Scholarship]* *Hong Kong, SAR*

WORK EXPERIENCE

HSBC - Hong Kong Shanghai Banking Corporation *Jan 2025 - July 2025| 6 months*
- POSITION: Analyst - Digital Transformation *Hong Kong SAR*
  - Analysis, Description, Management and Delivery of 4 projects spread across lending and digital compliance.
  - Developed systems for resource allocation, financial tracking, and governance using SQL and JQL.
  - Built and customized Confluence macros for data visualization and reporting.

Jio - Reliance Jio Infocomm *Jun 2024 - Aug 2024 | 3 months*
- POSITION: Middleware Developer Intern *Mumbai, India*
  - Developed a new architecture to transform data ETL and enhance real-time data capture that minimizes latency in production releases across their digital solutions platform - Jio Platforms Limited
  - Developed a search engine for a new Telco Cloud Platform hosted by the Ambani group

Evergreen Wearable Technology Limited *Aug 2023 - Dec 2023 | 5 months*
- POSITION: Full Stack Developer Intern *Hong Kong SAR*
  - Spearheaded product launch onto the UnityAssetStore
  - App development using unity, Java, C# with support for gesture based interactions on windows and MacOS platforms via mobile phone in-built motion detectors

AWS - Amazon Web Services *Feb 2023 - Feb 2024 | 12 months*
- POSITION: AWS Student Ambassador | Technical Market Researcher *Hong Kong SAR*
  - Research implementation of cloud technology for the Retail and Hospitality Industry
  - Partner development among AWS and Hong Kong Universities to aid emergence of cloud-based talents in Hong Kong

PROJECTS & RESEARCH

Compression of Hardware cache for LLMs | *Python, CUDA* *Present*
- Researching compression of cached information inside the GPU using a lossy compressor designed with extreme throughput to allow larger LLMs to run on smaller GPUs with at most 5-10% impact to model performance

Secure Storage Service | *Java, Spring Boot, SQL, SHA3, AES-256* *April 2025*
- Distributed access to localized cloud storage using REST APIs for user management and request processing powered by spring boot in the backend to unify querying across different types of relational and non-relational databases.

Real-Time Twitter Tweet Analytics Stream | *Java, Apache Kafka, Debezium, Apache Lucene Engine* *Sept 2024*
- Writing a miniature twitter streaming api to obtain real-time metrics on user profiles and demographic information of trending tweets which are stored on kafka clusters and processed using ElastiCache with Node.js templates for visualization.

EXTRA-CURRICULAR ACTIVITIES

Vice-President - South Asian Student Association *Aug 2024 - Present*
- Lead the largest international student community with over 700 student members, holding regular events operating as an NGO sponsored by the Hong Kong Polytechnic University and HKSAR government.

AWS Student Community Builder - Hong Kong Region *Mar 2024 - Present*
- Founder of AWS Cloud Clubs Hong Kong Chapter which aims to aid students in learning Cloud Computing through event-based learning programs hosted in collaboration with AWS.

IoT Communication Network - African Evangelistic Enterprise (AEE) *Jun 2023 - Aug 2023*
- Developed and deployed solar-powered intranet servers for free and accessible education material in the rural villages of Rwanda, along with solar housing infrastructure to aid its accessibility.

SKILLS

- **Technical**: Python (Django, Sockets, tkinter, PyTorch, NumPy), SQL, Java, C, C++, C#, R Programming, MIPS, Dart, Apache Kafka, REST api, Flutter, AWS, Google Cloud, Azure, OpenStack, Golang
- **Certifications**: AWS Certified Cloud Practitioner, Google AI Fundamentals, HackerRank Problem Solving (Intermediate)
- **Soft-Skills**: Project Management, Business Communication, Ownership