Ravisara (Sara) Cheakdkaipejchara

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Education

Stevens Institute of Technology, Hoboken, NJ

Master of Science in Computer Science — Expected May 2026

GPA: 3.75, **Awards**: Provost Master's Scholarship Award

Courses: Engineering Programming: Java, Data Structures and Algorithms, Systems Programming, Mathematical Foundations of Machine Learning

Imperial College London, London, England

Bachelor of Science in Medical Biosciences — Oct 2020 - Jul 2023

GPA: 3.49, **Awards:** Associateship of the Imperial College School of Medicine

Technical Work Experience

London Stock Exchange Group, London, England

Technology Graduate Associate — Sep 2023 - Jul 2024

- Built Django-based Python API which retrieved trade data from Oracle database and displayed a company-specific report onto client portal, greatly increasing speed of legacy perl-based application
- Developed and tested an authorisation by active directory group system in Java using Spring Security which ensured compliance with new government regulations and enhanced security
- Managed time to complete tickets on a biweekly basis, helping the team maintain a secure Java backend system
- Gained understanding in financial markets, stock exchanges, and post trade processing

Imperial College London, London, England

Clinical Research Associate — Oct 2022-Mar 2023

- Designed and conducted a detailed survey to assess metatarsal amputee functional outcomes, employing strategic prompting techniques to collect hospital patient responses
- Led qualitative interviews with doctors, crafting targeted prompts to extract insights on surgical outcomes
- Analyzed survey data using Python, Pandas, statistical modeling to a comprehensive 5000-word report and presented findings to a panel of professors, effectively communicating data-driven insights and recommendations

Schroders, London, England

Global Technology Summer Intern — Jun 2022 - Aug 2022

- Utilized Python and statistical analysis to evaluate 2000 internal interactions between employees and key marketing vendor, identifying critical inefficiencies and recommended strategic solutions aimed at optimizing dependency
- Developed a dynamic Flask-based Natural Language Processing (NLP) application that analyzed financial Insights Articles and highlighted trending topics, demonstrating AI-driven text analysis skills with senior engineers

Other Experience

First Step Consulting

Pro Bono Consultant — Mar 2023 - Jun 2023

- Used Excel and stakeholder interviews to conduct bottom-up analysis of competitor pricing for biotech start-up, identifying a 660% gap from industry averages, enabling a more competitive market presence and pricing strategy
- Presented extensive research on investment and exit strategies of comparable companies, empowering the client to make informed decisions regarding future funding and growth strategies

Skills & Volunteering

Programming: Java, Python, C++, C

Certificates: BCS Foundation in Agile, CFG's Python and Apps course, Avado Learning's Data Analyst Accelerator

Volunteering: Organised a charity jewellery event and raised £200 in SEO London's HerCapital course, mentored 2 freshman students weekly for internship applications and interviews in Imperial College's Women in Business Society