

PHONE:
+447397085490

EMAIL:
jayatink@gmail.com

WEBSITE:
<https://jayatisarkar.github.io/>

JAYATI SARKAR

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN, EKO INDIA FINANCIAL SERVICES; DELHI, INDIA SUMMER 2017

- Worked at a financial-tech startup on the automation testing of their RESTful APIs that return responses in JSON format
- Implemented unit testing of the database code by setting up a database connection using JDBC and also mocking the database using Mockito
- Gained more understanding of the development of web applications using Apache Struts and JavaScript

SUMMER INTERN, VICTORY FALCON ELECTRONICS TRADING; DUBAI, UAE SUMMER 2015

- Worked with software developers to understand the processes involved in the development of Hospital Information Systems and data management using MSSQL Enterprise Database
- Spent time on several projects involving the creation of data management solutions for several hospitals within the area
- Developed a client for an existing service using Java as well as aided with the data migration to bring the system up to date with their in house "MedicWorks" software

EDUCATION

IMPERIAL COLLEGE LONDON, UK — COMPUTING (MENG) 2016 - 2020

- On track for a First
- Modules: Programming, Hardware, Logic, Discrete Mathematics, Mathematical Methods, Architecture, Databases, Reasoning about Programs, Ethics in Computing

GEMS MODERN ACADEMY; DUBAI, UAE 2012 - 2016

- ISC Board Examinations - 97.5%
Computer Science, Mathematics, Chemistry, Physics, English
- ICSE Board Examinations - 97%
Computer Applications, Mathematics, Science, Social Studies, English, Hindi

SKILLS

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- Designed and built webpages using HTML and CSS
 - Built Android apps using Android Studio
 - Adept in Java, Haskell and C
 - Familiarity with C++, Python, JavaScript, SQL, Intel 64 Assembly, jQuery and Scala

INTERESTS AND ACHIEVEMENTS

Academic:

- In a team of 4, created a website exploring the application of artificial intelligence in healthcare and was awarded the 'Most Outstanding Group Project in Topics in Computing'
- Completed and received A* for the ARM11 emulator and assembler project in C on a Raspberry Pi
- Awarded an Entrance Scholarship, given to only the top 10 students, by the university based on the quality of the UCAS application and examination results
- Awarded the 'KS Varkey Merit Scholarship', a 50% scholarship, for last two years of high school
- Implemented a media player using javafx as an independent summer project in 2016
- Implemented an aeroplane reservation system using Object-Oriented Programming as a summer project in 2013

Extra-Curricular Activities:

- Awarded the 'Best Sportsperson Award' in the last year of high school
- Organised collection drives to help the victims of flash floods in the Indian state of Jammu and Kashmir
- Volunteered at an NGO, 'Sughosh India', and taught elderly women basic Microsoft Office skills
- Captain of the girls' cricket team and secured 'Player of the Series' certificates in tournaments
- Captain of the girls' basketball team and obtained 'Certificate of Excellence' in various inter-school tournaments
- Head of the School Sports Council and organised all sports events taking place at school
- Member of the School Cultural Society and participated & helped to organise events