

MATHURA SARANKAN

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EDUCATION

The City University of New York, College of Staten Island

Staten Island, NY

Master Science in Software Engineering and Cloud Computing

Expected Graduation Spring 2025

Relevant Coursework: Parallel Computing, Advanced Operating Systems, Algorithms, and Information Structures, Database Theory, Advanced Systems Programming, Formal Language Theory

The City University of New York, College of Staten Island

Staten Island, NY

Bachelor of Science in Computer Science

August 2020-May2022

Overall GPA: 3.992

Relevant Coursework: Java Programming, C++, Database Management System, Computer Organization and Architecture, Data structures and algorithms, Python Programming, MySQL, PHP, Artificial Intelligence

University of Jaffna

Vavuniya, Sri Lanka

Bachelor of Science in Applied Mathematics and Computing

Nov 2008– Dec 2011

Relevant Coursework: Java Programming, C++, Database Management System, Data structures, MySQL

Differential Equation, Statical Theory, Calculus, Linear Algebra

TECHNICAL SKILLS

- **Programming languages:** Python, Java, MySQL, HTML, CSS, JavaScript, C++, PHP
- **Systems:** Windows Server 2016, Mac OS X, Android SDK, Linux
- **Tools & Technologies:** Android SDK, Visual Studio, UML, GitHub, Jupyter Notebook
- **Databases Management:** SQL Server, MS Access

TECHNICAL PROJECTS

Generation

USA

Junior Full Stack Developer

Aug 2022 – Dec2022

- Participating in a 16-week, 460+ hour Junior Full Stack Developer program that emphasizes hands-on practical application
- Learning and deploying the technologies involved in creating full stack web applications with Java using Spring Boot Framework, JavaScript, HTML5, CSS3
- Implementing basic unit tests and deploying the application to Heroku

PROFESSIONAL EXPERIENCE

Pension Department,

Colombo, Sri Lanka

Development officer

Jun 2012 – Aug 2016

- Maintaining pension payroll information by collating, calculating, and entering data using manual and software
- Updating pension payroll records by entering any changes to pensioner information such as transfer, death pensioner
- Preparing reports that include summaries of earnings, deductions.
- Resolving pension payroll discrepancies and answering any pensioner payroll queries
- Maintaining all pension payroll operations according to department policies and procedures

Vavuniya Campus of the University of Jaffna

Vavuniya, Sri Lanka

Tutor

Jan 2012 -Jun 2012

- Tutored in many academic subject areas, mainly C++, Java coding, and guided students in test-taking strategies, note-taking, and studying for exams
- Reviewing classroom or curricula topics assignments and installing software
- Assisting students with homework, projects, test preparation, papers, research and other academic tasks
- Working with students to help them understand key concepts, especially those learned in the classroom
- Developing and distributing teaching materials to supplement classroom lessons, including study guides

AWARDS

College of Staten Island Dean's List

2018- 2019, 2019- 2020