NIREEKSHA HUNS

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Education:

Northeastern University - Boston, MA Expected Dec 2026

Master of Science in Software Engineering Systems

Relevant Courses: Web Design and User Experience Engineering, Concepts of Object-Oriented Programming

Visvesvaraya Technological University - Karnataka, India Aug 2021

Bachelor of Engineering in Biotechnology

Technical Skills:

Programming Language:	Java, Python, C++
Frameworks:	Spring Boot, Spring
Databases:	MySQL, MongoDB
Web Technologies:	HTML5, CSS, JavaScript, Node.js
Tools:	Eclipse IDE, IntelliJ IDE, Visual Studio, Jenkins, AWS, Jira
Others:	GIT, CI/CD

Professional Experience:

Associate Software Engineer - Bengaluru, India Jan 2022 - August 2024

London Stock Exchange Group

- Contributed significantly to the World Check Next Gen project (KYC), focusing on building data APIs. Developed multiple workflows, APIs, and microservices using Java Micronaut hosted on AWS Lambda on top of API Gateway
- Played a key role in designing and implementing various project requirements, ensuring robust and scalable solutions
- Led efforts to enhance the security of a critical application hosted on AWS by implementing Application Firewall (WAF) protections
- Designed and implemented automated password rotation mechanisms using IAM authentication for database connections, bolstering security measures and ensured SSL connections were established to secure communication between the application components

Research Intern - Bengaluru, India Jan 2021 - August 2021

Azyme Biosciences Pvt Ltd

- Conducted data analysis on over 100 samples of selenium nanoparticles, using Python and Scikit-Learn, which led to a 25% improvement in predicting their anti-cancer efficacy
- Took the initiative to lead a collaborative project team, coordinating tasks, and fostering effective communication to ensure timely completion of research objectives

Academic Projects:

Seleno-Cor | *Python, R, MongoDB*

- Developed Seleno-Cor, a data-driven project leveraging Python and R to analyze plant-synthesized selenium nanoparticles from *Hedychium coronarium* for their potential anti-cancer properties, addressing the social concern of cancer treatment with innovative and sustainable healthcare solutions

Auto-Bubble | *Python*, *MATLAB, AWS*

- Designed and developed an automated multiphase bubble column reactor for industrial production of antibiotics The Auto-Bubble project achieved a 30% increase in production efficiency and a 25% reduction in operational costs for protein, enzyme, and antibiotic manufacturing

Extracurricular:

- Delivered a technical talk on 'A data-driven discovery of plant-synthesized selenium nanoparticles for cancer treatment' at the National Conference on Science, Engineering, and Management (NCSEM)
- Represented The Oxford College of Engineering at the 2019 and 2021-Women's Inter-college Badminton Championship, achieving victory