

Rebecca Shruti Soren

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EDUCATION

King's College London, London, United Kingdom (Expected) Sep 2024

Currently enrolled in the Master of Science in Data Science program.

Sikkim Manipal University, Sikkim, India Jul 2021

Graduated with Bachelor of Technology in Computer Science and Engineering with Distinction. (CGPA: 9.05 / 10)

Awarded scholarship covering 30% of tuition costs for all semesters for scoring above 80% on Higher Secondary Examinations.

Holy Child Auxilium School, New Delhi, India May 2017

Secured Distinction (88%) in Higher Secondary Certificate Examination.

Ranked among the top 0.1% of students across the country in the All-India Senior School Certificate Examination for English Core.

PROFESSIONAL EXPERIENCE

Nomura Research Institute Financial Technologies, Kolkata, India Aug 2021 – Jun 2023

Associate Software Engineer

- Collaborated closely with stakeholders and business teams to identify and prioritize key project requirements and objectives.
- Deployed an enterprise-wide software configuration management tool, resulting in an 88% decrease in setup time for all company projects.
- Significantly improved user experience within the online application by optimizing features and transaction screens, resulting in a 50% increase in user satisfaction ratings.
- Implemented an advanced job scheduling solution to optimize workflow efficiency and automation for time-sensitive back-office operations, catering to financial institution clients.
- Recipient of the Shining Star Award for exceptional performance during the 1st and 3rd quarters of 2022-23.

Nomura Research Institute Financial Technologies, Kolkata, India Jan 2021 – Jun 2021

Internship

- Increased report capacity 10x by detecting and addressing resource consumption issues.
- Elevated code quality by implementing updates to Spring and Spring Security libraries.

PUBLICATIONS

Password Management System using Blockchain Sep 2023

- Conference: Fourth International Conference on Advanced Computational and Communication Paradigms (ICACCP 2023)
- Published in: Advanced Computational and Communication Paradigms, Lecture Notes in Networks and Systems, vol. 535
- Publisher: Springer, Singapore
- DOI: https://doi.org/10.1007/978-981-99-4284-8_5

ACADEMIC PROJECTS

Ingredient-Based Cuisine Classification using Support Vector Classification

- Developed an SVC classifier using Python, trained on a dataset comprising 30,000+ recipes to predict cuisine based on ingredient lists, achieving an accuracy rate of 77%.
- Designed and deployed a user-friendly interface using JavaScript to facilitate seamless interaction with the solution.
- Technologies Utilized: Python, JavaScript

TECHNICAL SKILLS

- Programming Languages: Java, C++, Python, R, JavaScript, HTML5/CSS, Solidity
- Frameworks: Java Spring MVC, Microservices, Blockchain, Hadoop
- Database: MySQL, MongoDB, Redis, Elasticsearch
- Tools: Excel, PowerPoint, Visual Studio, Git