

Soumyadip Roy

1nh19cs175.soumyadipro@gmail.com | +91-9620545548 | <https://github.com/soumyadipro> | <https://www.linkedin.com/in/soumyadip-roy-364539211> |

Skills

C | Java | Python | Machine Learning | JavaScript | NodeJS | React | MongoDB | Blockchain | Solidity | MySQL | Git | AWS | Junit | Selenium | Soap UI | Cypress | Linux | API | REST API | Android |

Work Experience

CAIR, DRDO | Data Analyst Intern **Feb'23-April'23**
Developed an ML-powered document classifier utilizing Apache Spark, Python, and Apache Kafka for scalable processing of large document volumes; also contributed to Rakshak Arohan, a women's security project, employing HTML, CSS, JS, and Python for crime rate prediction.

Projects

Know Hive **Nov'23-Jan'24**
Enhanced incident resolution efficiency for field engineers by automating conversion of resolution notes into knowledge articles using React.js, Python, Tailwind.css, Hugging Face GPT-2, Python Flask, and REST API integration.

R-Cell **Aug'21**
Developed a secure cryptocurrency platform utilizing HTML, CSS, JS, SQL, and blockchain technology to ensure robust cryptographic security against counterfeiting and double-spending.

Indian Recycle bin **March'23**
Created a web application utilizing HTML, CSS, JS, Python, and SQL with ML capabilities to detect and report local garbage, streamlining communication by automatically sending images to the nearest municipality.

CSE Elective Navigator **Nov'22**
Streamlining elective selection with a student-facing app featuring login, constraint-based elective choice, admin database management, and interactive dashboards; powered by Node.js, Java, Android Studio, MySQLite, and AWS.

Patient Load Balancer **March'22**
Developed a critical medical resource assistance API leveraging MuleSoft, React.js, Python, HTML/CSS/JS, MongoDB, and AWS infrastructure to provide vital support during emergencies.

Cybernated Cryptography **Jan'21**
Implemented CYBERNATED CRYPTOGRAPHY solution in Java with Swing for secure transmission of secret information without impacting unintended users.

Automated Referendum Tactics **Aug'20**
Revolutionized voting with an online platform, Automated Referendum Tactic, enabling remote voting for candidates using C programming language.

Education

New Horizon College of Engineering, Visvesvaraya Technological University (VTU), India **2019- 2023**
• CSE | CGPA: **9.29**

Holy Rock School, India **2018 - 2019**
• ISC (Class XII), Aggregate:75.16

Holy Rock School, India **2016 - 2017**
• ICSE (Class X), Aggregate:83.5

Academic and Extracurricular Achievements

- Secured 117/180 marks in National Engineering Olympiad in 2021.
- Secured a Runner up spot out of 41 teams in SparXelerate Hackathon by Brillio.
- Secured shortlisting among 300 teams in Smart India Hackathon and Wipro Hackathon.

Positions of Responsibility

Mobile App Development Club | Vice President **Jun'21 – Aug'23**
The role of the vice president is to plan for various activities related to app development and arrange seminars monthly in the department.

IEEE YP Bangalore Section | Volunteer **Jan'22-Jan'23**
Poster designing, graphics works and animations