Soumendu Roy

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Profile Summary

Master's student with software development experience, skilled in problem-solving and delivering real-world projects. Seeking a challenging role to leverage my academic and professional expertise in software sector.

Education

Banaras Hindu University, Masters in Computer Applications: (CGPA: 8.58*)   **Oct 2023 – Jul 2025 (expected)**

Curriculum: DSA | OOPs in Java | Software Eng. | Networking | DBMS | AI | ML | Blockchain Tech.   **Varanasi, India**

Kolhan University, Bachelors in Computer Applications: (Grade: 85.77%)   **Sep 2018 – Sep 2021**

Curriculum: C | DSA | RDBMS | OS | Linux | Web Tech. | OOPs in Java | Logic Design   **Jamshedpur, India**

Experience

Assistant System Engineer (Frontend) | Tata Consultancy Services   **Bengaluru | Oct 2021 – Oct 2023**

- Developed and maintained over 20 responsive UIs using HTML, SCSS, JavaScript/Typescript, React/Angular 8+ across 3 simultaneous projects, enhanced user experience for 50,000+ monthly users.
- Wrote test cases using Karma and Jest, optimized code by 30%, enhancing the overall performance, and fixed bugs reducing the production issues by 25%.
- Collaborated with a team of 15 in 30+ sprints using agile and GIT for seamless integration and delivery.

Sabbatical Leave | **Tata Consultancy Services** – Pursuing Full-time Master's degree.   **Oct 2023 – Present**

Internships

CDAC Virtual Internship on Cybersecurity | CDAC, Noida: link   **Remote | Jun 2024 – Jul 2024**

- Gained hands-on experience with 5+ cybersecurity techniques and tools to protect systems from attacks.
- Completed a project securing Windows networks, Snort for intrusion detection with 95% accuracy.

J.P MORGAN CHASE VIRTUAL INTERNSHIP | JP Morgan Chase & Forage: link   **Remote | Jul 2020 – Sep 2020**

Projects

Temple Ticketing System | IIT-BHU-Codefest-2024: link   **Remote | Mar 2024 – Apr 2024**

- Ticketing system using MERN stack, tested for over 100 users and generated over 1000 tickets in real-time.

Feedback Management System: link   **Remote | May 2024 – Jul 2024**

- Feedback system using React.js, web3.js and Solidity, collecting 200+ feedback records and 100+ users.

Skills & abilities

- **Languages**: C, C++, Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), Java, JavaScript, Solidity.
- **Web Technologies**: HTML, CSS, JavaScript, Angular, React.js, Next.js, Web3.js, Node.js, Express.js, etc.
- **Other**: VS Code, Jest, Karma, Mocha, GIT, Data Structures & Algorithms (DSA), OOPs, Cybersecurity, Network Protocols, MongoDB, SQL, DBMS, etc.

Certifications & Coding Profiles

- **Meta Front-End Developer | Coursera & Meta: link**   **Remote | Sep 2023 – Mar 2024**
- **Angular Front-to-Back | Udemy: link**   **Remote | Feb 2022**
- **Programming Data Structures & Algorithms in Python |NPTEL: link**   **Remote | Jan 2024 – Mar2024**
- **Coding Profiles: Hackerrank | Leetcode | Codechef | Codeforces**