Soham Nag

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EDUCATION

Arizona State University   Tempe, AZ
Master of Science in Computer Science   *Aug. 2022 – May 2024*

National Institute of Technology Meghalaya   Shillong, India
Bachelor of Technology in Electrical and Electronics Engineering   *Aug. 2013 – May 2017*

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, TypeScript, HTML/CSS, SQL, MQL (MongoDB)
Frameworks and Libraries: React.js, Node.js, Express.js, Flask, Django, Spring Boot, Redux, pandas, NumPy
Developer Tools: Git, Docker, VS Code, PyCharm, IntelliJ

EXPERIENCE

Graduate Student Assistant   August 2022 – Present
Arizona State University   *Tempe, AZ*
- Graduate Assistant for courses 'Principles of Programming Languages' and 'Engineering Blockchain Applications'
- Handled grading of assignments and homework of a class of 200+ students

Information Technology Coordinator and Operations Engineer   Jul. 2017 – Jul. 2021
Power Grid Corporation of India Limited   *Shillong, India*
- Collaborated with ABB Sweden for the commissioning of 800 kV 3000 Megawatts HVDC power transmission facility in the state of Assam, thereby evacuating North-East India's huge hydro-energy potential
- Led a team of five employees and 2 contractors for the commissioning of a 132 kV Gas-Insulated Substation in the state of Mizoram, thus improving the state's power reliability by over 20 percent
- Undertook routine testing and troubleshooting of company's internal IT network and network devices, reducing network vulnerabilities and network downtime

Engineering Intern   Jun. 2016 – Jul. 2016
Power System Operation Corporation   *Shillong, India*
- Worked on the SCADA system designed to monitor the Northeast Regional Electrical Grid
- Presented a case study to a body of managers on the Indian power market highlighting operational trade practices followed by countries in the Indian subcontinent and was awarded 'Best Presentation of The Cohort' by Chief Manager (Northeast Region), POSOCO

PROJECTS

Book Recommendation System | *Python, pandas, NumPy*
- Developed a book recommendation system using Content-Based and Collaborative Filtering on Book Crossing Dataset

NFT Marketplace | *React Native, Git*
- Developed a cross-platform mobile application using React Native that allows users to place hypothetical bids on fictional non-fungible tokens

Real-Time Weather Web App | *JavaScript, OpenWeatherMap API, Git*
- Created a responsive web app using vanilla JS that pulled location-based weather information and icons from OpenWeatherMap API while also changing the background image to a landscape from the queried location

Password Manager App | *Python, Tkinter, Git*
- Developed a GUI-based application using Tkinter library in Python that allows user to store and retrieve their passwords locally into a file in JSON format