ISHAAN ROYCHOWDHURY

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EDUCATION

PURDUE UNIVERSITY   *West Lafayette, Indiana*
Master of Science in Computer Science | Specialization in Cyber Security   *Dec 2023*
- *Achievements*: Dayspring Pen's Scholarship Recipient | Churchill Scholarship Recipient | Summa Cum Laude (GPA: 4.0/4.0)
- *Relevant Coursework:* Information Security, Cryptography, Security Analytics, Principles and Systems for Cyber Security
- *Teaching Assistant*: Foundations of Cybersecurity

STATE UNIVERSITY OF NEW YORK (SUNY), BUFFALO   *Buffalo, New York*
Bachelor of Science in Computer Science | Minor in Business Management   *May 2020*
- *Achievements:* UB Engineering Scholarship Recipient | Honors Scholar | Dean's List | Magna Cum Laude
- *Relevant Coursework:* Software Engineering, Machine Learning, Programming Languages, Web Applications, Algorithms
- *Teaching Assistant:* Computer Infrastructure and Security, Web Applications, Ubiquitous Systems and Social Media Applications

EXPERIENCE

CRICKET MEDIA   *New York City, New York*
Software Developer and Solutions Architect   *May 2023 – Dec 2023*
- Worked with a team of 3 in the design and implementation of an educational language learning website using React and Python, contributing to a 35% increase in user engagement and improved site performance metrics.
- Designed a bespoke CMS platform, leading to a 50% boost in content management efficiency and improved team collaboration.

PURDUE UNIVERSITY   *West Lafayette, Indiana*
Student Web Developer Lead   *Aug 2022 – Dec 2023*
- Developed the Purdue Cybersecurity webpage using Python, React, SQL, and JavaScript, aimed at educating and raising awareness of cybersecurity among a target audience of 20,000+ students and faculty.

SALESFORCE   *New York City, New York*
Salesforce Developer | Software Engineer   *May 2020 – May 2022*
- Led a team of 8 to integrate Salesforce solutions with clients' existing systems to improve CRM platforms.
- Developed a custom CRM application for 40,000+ customers using Salesforce Service cloud that optimized quality, cost and time management which lessened the investment to one-tenth.

SAPIENT   *Mumbai, India*
Software Developer   *May 2017 – May 2020*
- Developed and deployed a stock trading and prediction application using microservices architecture across AWS and GCP platforms, leveraging multi-cloud capabilities for enhanced performance and reliability.

PROJECTS AND HACKATHONS

InstaMart |*Python, React Native, MySQL, Typescript*   *Jan 2023 – Dec 2023*
- Developed a React Native and Expo-based cross-platform eCommerce app for efficient grocery shopping, leveraging Agile methodology

SMASHING APP | *Java, React Native, MySQL, Javascript*   *Jan 2020 – May 2020*
- Built a fully functional iOS/Android app for tracking weight loss through gamification using Agile version control and JUnit Testing

GENERIC SOCIAL MEDIA WEB APP | *Java, Flask Framework. MySQL, NodeJS*   *Aug 2019 – Dec 2019*
- Developed a social media website through multiple web applications for intra-university communication using distributed systems

VIRTUAL WALKING STICK | *Python, XCode, OpenCV's API, TensorFlow Libraries, git*   *Nov 2019*
- Leveraged ML & neural networks for visual recognition, providing vision-to-text features with 0.95 accuracy on training data

SNAP SCHEDULE | *Java, MySQL, HTML/PHP/CSS/AJAX, Javascript, Linux OS*   *Sept 2018*
- Created a software for students to choose their own schedule which was implemented by the university because of its ease-of-use UI

ACCOMPLISHMENTS

Certifications: Chartered Financial Analyst (CFA) Level 1 | Okta Professional Certification
Salesforce Certifications: Salesforce Platform Developer Level 1 & Level 2 | Salesforce Administrator | Salesforce Einstein
Awards: #1 in Blackstone LaunchPad Entrepreneurship Challenge | #2 in Google Tech Coding Challenge
Extra-Curriculars: Professional Piano and Guitar Player, Founder of UB Poker Club and Jam Club, UB Cricket and Tennis Team

SKILLS

Programming Languages and Frameworks: Java, React Native, React, C/C++, Python, Typescript, Javascript/PHP/CSS, Apex, MySQL, Shellscript, MongoDB, NodeJS, .NET, REST APIs, Golang, Docker, AWS, GCP
Utility Platforms and Tools: Agile Development, Linux, CircleCI, Kubernetes, Android Studio, TCP/IP, Unity, git, Microsoft Office