Samta Priya Jain

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EDUCATION

University of Waterloo | Bachelor of Computer Science

Honors Computer Science with Business Specialization, Sept. 2018 - April 2023

EXPERIENCE

Meta | Software Engineer Intern   Sept 2022 - Dec 2022

- Joining Quick Promotion - Optimization team, supporting product teams across Meta deliver new content to users

Microsoft | Software Engineer Intern   May 2022 - July 2022

- Increased security in Edge browser by **leveraging biometrics to encrypt data**, boosting adoption of passwordless Windows login
- Designed and implemented utility integrating Windows encryption API in Edge using C++, WinRT, WRL, and Chromium
- Improved data integrity and availability by persisting encryption keys between secure logins and protecting saved data

Meta | Software Engineer Intern   Sept 2021 - Dec 2021

- Developed and launched keyword search for Saved Items feature to **5% of mobile users** using React Native and GraphQL
- Implemented pagination using Relay to sustain **reliable load performance** independent of amount of available data
- Integrated search bar in Saved navbar on Facebook mobile app using Kotlin, Java, Objective C, and Hack/PHP

Intelex Technologies | Mobile Software Development Intern   Jan - Apr 2020 | Sept - Dec 2020

- Improved mobile app's image processing and expanded supported types by implementing **image decoding, type conversion and resizing** using React Native, Java, and Objective C
- Developed interface of **mobile e-signature** feature and added navigation paths for cohesive experience
- Scoped and presented recommendations for implementing **universal links** on iOS devices
- Reduced feature BDD testing time by **10%** by improving test scalability and reducing redundancies using Cucumber and Appium
- Improved UI and state handling of mobile QR code login for iOS and Android apps

Veeva Systems | Software Engineering Intern   May 2019 - Aug 2019

- Implemented data customizability on dynamic graph visualization used **9100+ times monthly**, built with JMVC, EJS, Sass, D3
- Launched interactive sales demo using React, integrating search and data management widgets to fetch live data updates
- Developed interface of interactive force-directed graph widget that visualizes complex relationships using Polymer, D3
- Improved UI coherence and usability by supporting **custom entities and relationships** of the user's specifications

WatLock | Software Lead   Oct 2018 - Jan 2021

- Led SEDRA design team of 52 members to **engineer airlock for Mars colony** in international competition finals
- Directed projects to build user interface for astronauts and construct server communication methods using Arduino and C

PROJECTS

Flock

- Won **Best Use Of CockroachDB** for film matching app built using React Native and Express.js at Hack The North 2020++

Forest Fire Damage Predictor

- Used Python to apply machine learning regression Random Forest, predicts amount of land damaged with **95.08% accuracy**

SKILLS

Languages: JavaScript, C++, Java, Python, C#, C, HTML, CSS, SQL
Technologies: React, React Native, Node.js, GraphQL, Git, Unix, XCode, Android Studio