Kolkata, India
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Ritam Debnath

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Work Experience

Full Stack Engineer	MongoDB	Oct 2022 – Present

- Testing and debugging software to keep it optimized.
- Writing clean code for the front and back end of the software.
- Creating servers and databases for the back end of the software.
- Developing APIs and RESTful services.

iOS Developer Intern	CRED	May 2022 – Sep 2022

- Worked with the IOS Engineering team to enable high-performance in IOS access across the organization with ease of use and cost benefits.

Back End Developer Internship	WorkOnGrid	Jun 2022 – Sep 2022

- Creating and optimizing APIs for front-end teams to consume.
- Troubleshooting production issues with priority.
- Designing and reviewing solutions for backend.

iOS Intern	Edvora	Jun 2022 – Aug 2022

- Troubleshoot and Debug to optimize performance.
- Design interfaces to improve user experience.

Mentee (Cybersecurity Engage)	Microsoft	May 2022 – Jun 2022

- Researched and created automated framework ARP spoofing and Denial of service attack.

Projects

- **Wholesome SSC** (https://github.com/ritamgit-alt/Wholesome_SSC) Wholesome SSC is my attempt at making use of the various Apple Development Kits to enact small positive change regarding mental health. The idea is to recognise the importance or impact of even small acts of kindness such as giving compliments, and encourage them through this app. SwiftUI, PencilKit, CoreML, NaturalLanguage

Awards

- **WWDC22 Swift Student Challenge Award** (Apple) Recognized for creating an app named Vault which is a two factor authenticator app which generates time based OTPs(One Time Passwords). It uses the HMAC type of message authentication involving SHA1 cryptographic function. This is based on TOTP(Time based One Time Passwords) algorithm. July 2022
- **MLH GLOBAL HACK INIT** (MLH) Recognized for creating a social media app on DeSo. - first one from GLOBAL. June 2022

Education

Kolkata, India	Brainware University	Noember 2021	August 2025

- Bachelor of Technology in Computer Science and Engineering. GPA: 3.8