Kolkata, India
(+91) 8100628091

Ritam Debnath

ritamdebnath@icloud.com
ritam-alt.super.site

Work Experience

IOS Developer Intern	**CRED**	**May 2022 – Present**

- Working 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 Intern	**WorkOnGrid**	**June 2022 – Present**

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

Mentee (Cybersecurity Engage)	**Microsoft**	**May 2022 – June 2022**

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

IOS Developer Intern	**Edvora**	**June 2022 – Present**

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

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

Skills

- Languages: Python, JavaScript, C++, SQL, Rust, Go, TypeScript, Java, PHP
- Technology: MongoDB, Travis CI, Docker, Terraform, CLOUDFLARE

Projects

- **Six Feet Between** My iPad Playground Book project named "6 Feet Between" is an interactive game that harnesses the power of the latest Apple software technologies to provide an immersive experience. This game is intended to educate people about keeping social distance as a hygiene practice. Swift
- **Self Driving Car** This is the code I wrote with JavaScript (no libraries). The code will appear as the part of progresses and will be divided into parts as follows: Car driving mechanics, Road definition, Artificial sensors, Collision detection, Traffic simulation, Neural network, Visualizing neural networks, Optimizing neural networks, Fine-tuning. JavaScript

Education

Kolkata, India	**Brainware University**	**November 2021	Dropout**

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