

# Abir Pal

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## EXPERIENCE

### Affinidi by Temasek

Singapore

Software Engineering Intern

August 2021 – Present

- Create and engineer developer adoption projects and generate 80% adoptions on Affinidi APIs and SDKs.
- Research on system design and develop the Affinidi Developer Portal to production, serving over 100,000 of developers.
- Improve the existing coupled Authentication to decoupled Authentication for the internal PoCs and projects, which results in increased code re-usability and optimize bundle by removing 10,000 Lines of Code(LOC).

### Major League Hacking

Remote

Engineering Fellow

January 2021 – April 2021

- Developed the CryptoDrive using Web3, Solidity and React, gained 100 of users in first release.
- Researched on decentralized networks and developed a decentralized file storage service.
- Awarded as Fellow from Major League Hacking(150 Fellows from 40,000) Received winning prize for CryptoDrive as a global winner.

## PROJECTS

### CryptoDrive: Decentralized File storing and sharing service

[ReactJS, Node, IPFS, Solidity,] March 2021

- **Problem:** A Decentralized File Sharing and Storage Service for developers to share environment variables and secrets.
- **Solution:** Built CryptoDrive under data ethics theme. Written smart contracts using Solidity, Web3, React and implemented Lossless Data Compression Algorithms to optimize Client Side Encryption Process and deployed on Rinkeby TestNET
- Generated 80% developer adoptions at [@getCryptoDrive](https://getCryptoDrive).

### Simulated Linux on browser

[React, Data Structures]

December 2020

- **Problem:** Quick no-setup simulated browser based Linux Shell, to make beginners aware in the university.
- **Solution:** Used to empower 5000+ beginners to get started with Linux Commands, via Web Terminal, a simulated terminal on browser. Developed core file service system using Tree Data Structure

### CertiGen(Mentored under Ronak Shakuja, SWE Microsoft)

[NodeJS, JIMP and Postman]

October 2020

- **Problem:** Issuing Developer Event Certificates for Microsoft Student Ambassador's Community
- **Solution:** A devtool for Microsoft Student Ambassadors, to generate certificates in seconds using Postman.
- Actively used by 1000+ Student Ambassadors, for their events and quick certificate generations.

## TECHNICAL SKILLS

**Languages(Proficient):** Typescript, Java, , HTML/CSS

**Languages(Familiar):** Terraform, Go, Python, Solidity

**Frameworks(Proficient):** TypeORM, NextJS, PostgreSQL, SQL, gRPC, React, Node.js, NestJS, AWS Cognito, Jenkins, Dataflow

**Developer Tools(Proficient):** Terraform, AWS(Lambda, Cognito, SES, Route53, Elastic) , Docker, AsyncAPI, OpenAPI, Postman, Google Cloud(VPCs, Load Balancer, BigQuery, Deployment and Monitoring)

**Libraries:** BabelJS, Kubernetes K9S, React-Router, TypeORM, Newman, Material UI, Tailwind

## AWARDS AND VOLUNTEER EXPERIENCE

- **Guest Speaker at Carnegie Mellon University, UC Berkeley and Georgia Tech:** Presented by first international talk on API Designs and how one can securely serve their machine learning models.
- **API Hacks Organizer :** Organizer of API Hacks with support of Postman to help 2000+ developers to build developer tools, productivity tools using APIs and nurture open source culture among them.
- **Global Hackathon Winner at MLH Fellowship for CryptoDrive**
- **Other Auspicious Titles Awarded:** Official Postman Conference Speaker(Featured on Postman Youtube), Most Valuable Professional(MVP) at SAWO Labs, Gold Microsoft Student Ambassador(200 Golds Globally) .

## EDUCATION

### Chandigarh University

Mohali, Punjab

Senior,B.E in Computer Science and Engineering

August 2018 – Expected July. 2022