

# Abir Pal

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## EXPERIENCE

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### Major League Hacking

Remote

*Engineering Fellow*

*January 2021 – April 2021*

- Selected as one among the 150 M.L.H Fellows, out of 43,000 Applicants.
- Used React and TypeScript at a scale to build devtools and data ethics products.
- Worked in a team to compete in four global hackathons.
- Won two sprints globally at first prize.

### Hack The Mountains

Remote

*Hackathon Manager and Developer Team Lead*

*December 2020 – April 2021*

- Engineered a Hackathon Website from development to production, and lead the team of developers which generated 80 percent increase in traffic and created a promising revenue model.
- Created utility software and dashboard software for Hackathon including mentor support, query system, speaker management and workshop alerts. Contributed in streamlining recruiting panel as a core advisor.

## PROJECTS

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### CryptoDrive: Decentralized File storing and sharing service[ ReactJS, Node, IPFS, Solidity,]

March 2021

- Worked on integration of smart contracts written in Solidity with Web3 and React Client.
- Implemented Lossless data compression algorithms to make things optimized on client side.
- Brainstormed and successfully, managed and developed the product.
- Worked in a dedicated team of 3 members, and reviewed Pull Requests and used Team Collaboration tools.

### Web Terminal : Linux Simulation on Web Browsers[React, Data Structures]

December 2020

- Empowered beginners to get started with Linux Commands, via Web Terminal, a simulated terminal on browser.
- Developed File Service System, using Tree Data Structures.

### CertiGen [NodeJS, JIMP and Postman]

October 2020

- A devtool for Microsoft Student Ambassadors, to create certificates in seconds.
- Actively used by 1000+ Student Ambassadors, for their events and quick certificate generations.
- Using Postman Monitor and Newman Integrated to perform health checks.

## TECHNICAL SKILLS

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**Languages:** Java, JavaScript, TypeScript, Solidity, HTML/CSS

**Frameworks:** React, Node.js, Airtable API, Material-UI, Interplanetary File Service System

**Developer Tools:** Git, Docker, VS Code, Azure Web Apps, AsyncAPI, OpenAPI, Postman

**Libraries:** React-Router, MongooseJS, Newman

## VOLUNTEER EXPERIENCE

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- **Gold Microsoft Student Ambassador:** Leveraged 10000+ Students through my articles and sessions on Microsoft Azure Cloud Services and various testing tools including Jenkins and GitHub Actions and also building personal brand.
- **Postman Student Leader** Selected as one of the 11 Student Leaders, representing Global Advocacy for API Literacy at Postman and featured on official Postman.

## AWARDS AND ACHIEVEMENTS

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- **Postman Certified Expert:** Postman Certified Experts are proficient in the essential skills involved in building, maintaining, monitoring and testing API requests, collections and workspaces in Postman.
- **Global Hackathon Winner at MLH Fellowship for CryptoDrive** Competed with 150 Experienced Fellows in building products in data ethics.
- **Guest Speaker at Carnegie Mellon University, UC Berkeley and Georgia Tech:** Invited to speak on Secure API Designs and API Literacy at the mentioned universities, in front of the panel from Google Brain and Facebook Research.

## EDUCATION

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### Chandigarh University

Mohali, Punjab

*Junior, B.E in Computer Science and Engineering*

*August 2018 – Expected July. 2022*