

# Raj

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## EDUCATION

**Jamia Hamdard University**, Delhi, India

Jul 2017 – Jul 2021

- B.Tech, Computer Science. CGPA: 9.22/10
  - Relevant Coursework: Databases, Algorithms, Distributed Computing, Formal Languages & Automata Theory, Compiler Design, Operating System, Computer Networks, Discrete Mathematics.

## WORK EXPERIENCE

**Blockchain Development Community** | Internet

Mar 2024 – Present

- Initiator & Lead
  - A **400+** community to help beginners learn blockchain dev and onboard them into the ecosystem.
  - I do a **weekly AMA**, and publish resources for building on top of leading protocols & chains in the space.

**YieldBay/YieldScan** | Singapore

Nov 2021 – Oct 2023

- Head of Engineering/Founding Team
  - Built a yield aggregator and dashboard to manage portfolio across 159 yield farms, 17 protocols & 9 parachains, tracking over **\$39M** in the Polkadot ecosystem. Led all integrations: [list.yieldbay.io](https://list.yieldbay.io)
  - Maintained YieldScan, the staking dashboard for Polkadot which did **9-figures** (USD) in transaction volume; demo: [youtu.be/N8V4D2PpuLk](https://youtu.be/N8V4D2PpuLk)
  - Partnered with *Mangata Finance* and *OAK Network* to build **the first yield autocompounder using XCM**. [launch announcement](#); demo: [youtu.be/M-K4eHP9Vno](https://youtu.be/M-K4eHP9Vno)
  - Wrote **ERC-4626 Tokenized vaults** and strategies for *Moonbeam* yield farms: [yield-bay/vaults](#).
  - Wrote contracts to **Warp In** (add liquidity with any token) and **Warp Out** (remove liquidity to any token) for *RomeDAO* Protocol: [yield-bay/rome-warp](#).

**BUIDL Labs** | Delhi, India

Jul 2020 – Nov 2021

- CTO, *DataStation*
  - Reduced information asymmetry in the *Filecoin network* by simplifying storage provider stats.
  - Developed a transaction history processor, earnings aggregator and future earnings prediction system for Filecoin miners (*codebase*, *devgrant proposal*). Wrote a *chain indexer* to fetch relevant data.
  - Onboarded **100+** storage providers; helped them calculate their earnings and simulate ROI.
- Blockchain Engineer | Researcher
  - Built a decentralized video streaming API using *Livepeer* (video transcoding) & Filecoin (p2p storage): [file.video](#). Reduced video streaming costs by **90%** and storage costs by **4000x** cf. web 2.0 alternatives.

**MacPorts (Google Summer of Code)** | Remote

May 2019 – Aug 2019

- Student Developer
  - Ported MacPorts *Buildbot* (CI/CD) Infrastructure from version 0.8 to 2.x.
  - Developed a custom views *plugin* for Buildbot that enables writing UI components in modern frameworks like Vue/React.js instead of Angular.js (supported in Buildbot by default).
  - Scaled Buildbot for large instances (to support **>25k builds** at once): [commits](#).

## RELEVANT PROJECTS

**Cherry Pick**, Google Summer of Code Playbook

- An E-Book to get started with Open source software development and get accepted in GSoC.
- Sold **70+ copies**: [rajgoesout.gumroad.com/l/gsoc](https://rajgoesout.gumroad.com/l/gsoc).

**ScholarDAO**, Democratize Research

- Protocol for decentralized, autonomous publishing of scientific research using a peer-review system, reputation system of scientists, and citations indexer.
- Developed a *subgraph* to keep track of citations and H-Index of scientists.

## ACTIVITIES & AWARDS

- **Superteam** - Content Writing Bounty - Wallet Opsec Feb 2024
- **Speaker** - Web3Conf India, Goa - “BUIDL Interoperability-first smart contracts with ink!” Aug 2022
- **HackFS** - Finalist (top 12 out of 150 teams worldwide), won \$5k Aug 2021
- **Mentor**, Google Summer of Code @MacPorts May 2020 – Aug 2020

## SKILLS

- Languages: Rust, Solidity, TypeScript, Golang, Python, PostgreSQL.
- Technologies: React/Next/Vue.js, Ethers/Web3.js, GraphQL, MongoDB, Redis, RabbitMQ, Docker.
- Others: Copywriting, Technical Writing.

[CV compiled on 2024-04-09]