

# Raj

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<b>EDUCATION</b>	<b>Jamia Hamdard University</b> , Delhi, India Jul 2017 – Jul 2021 <ul style="list-style-type: none"><li>B.Tech, Computer Science. CGPA: 9.22/10<ul style="list-style-type: none"><li>Relevant Coursework: Databases, Algorithms, Distributed Computing, Formal Languages &amp; Automata Theory, Compiler Design, Operating System, Computer Networks, Discrete Mathematics.</li></ul></li></ul>
<b>WORK EXPERIENCE</b>	<b>Blockchain Development Community</b>   Internet Mar 2024 – Present <ul style="list-style-type: none"><li>Initiator &amp; Lead<ul style="list-style-type: none"><li>A <b>400+</b> community to help beginners learn blockchain dev and onboard them into the ecosystem.</li><li>I do a <b>weekly AMA</b>, and publish resources for building on top of leading protocols &amp; chains in the space.</li></ul></li></ul>
	<b>YieldBay/YieldScan</b>   Singapore Nov 2021 – Oct 2023 <ul style="list-style-type: none"><li>Head of Engineering/Founding Team<ul style="list-style-type: none"><li>Built a yield aggregator and dashboard to manage portfolio across 159 yield farms, 17 protocols &amp; 9 parachains, tracking over <b>\$39M</b> in the Polkadot ecosystem. Led all integrations: <a href="https://list.yieldbay.io">list.yieldbay.io</a></li><li>Helped scale YieldScan, the staking dashboard for Polkadot which did <b>9-figures</b> (USD) in transaction volume; demo: <a href="https://youtu.be/N8V4D2PpuLk">youtu.be/N8V4D2PpuLk</a></li><li>Partnered with <i>Mangata Finance</i> and <i>OAK Network</i> to build <b>the first yield autocompounder using XCM</b>. <a href="https://launch.announcement">launch announcement</a>; demo: <a href="https://youtu.be/M-K4eHP9Vno">youtu.be/M-K4eHP9Vno</a></li><li>Wrote <b>ERC-4626 Tokenized vaults</b> and strategies for <i>Moonbeam</i> yield farms: <a href="https://yield-bay/vaults">yield-bay/vaults</a>.</li><li>Wrote contracts to <b>Warp In</b> (add liquidity with any token) and <b>Warp Out</b> (remove liquidity to any token) for <i>RomeDAO</i> Protocol: <a href="https://yield-bay/rome-warp">yield-bay/rome-warp</a>.</li></ul></li></ul>
	<b>BUIDL Labs</b>   Delhi, India Jul 2020 – Nov 2021 <ul style="list-style-type: none"><li>CTO, <i>DataStation</i><ul style="list-style-type: none"><li>Reduced information asymmetry in the <i>Filecoin network</i> by simplifying storage provider stats.</li><li>Developed a transaction history processor, earnings aggregator and future earnings prediction system for Filecoin miners (<i>codebase</i>, <i>devgrant proposal</i>). Wrote a <i>chain indexer</i> to fetch relevant data.</li><li>Onboarded <b>100+</b> storage providers; helped them calculate their earnings and simulate ROI.</li></ul></li><li>Blockchain Engineer   Researcher<ul style="list-style-type: none"><li>Built a decentralized video streaming API using <i>Livepeer</i> (video transcoding) &amp; Filecoin (p2p storage): <a href="https://file.video">file.video</a>. Reduced video streaming costs by <b>90%</b> and storage costs by <b>4000x</b> cf. web 2.0 alternatives.</li></ul></li></ul>
	<b>MacPorts (Google Summer of Code)</b>   Remote May 2019 – Aug 2019 <ul style="list-style-type: none"><li>Student Developer<ul style="list-style-type: none"><li>Ported MacPorts <i>Buildbot</i> (CI/CD) Infrastructure from version 0.8 to 2.x.</li><li>Developed a custom views <i>plugin</i> for Buildbot that enables writing UI components in modern frameworks like Vue/React.js instead of Angular.js (supported in Buildbot by default).</li><li>Scaled Buildbot for large instances (to support <b>&gt;25k builds</b> at once): <a href="https://commits">commits</a>.</li></ul></li></ul>
<b>RELEVANT PROJECTS</b>	<b>Cherry Pick</b> , Google Summer of Code Playbook <ul style="list-style-type: none"><li>An E-Book to get started with Open source software development and get accepted in GSoC.</li><li>Sold <b>70+ copies</b>: <a href="https://rajgoesout.gumroad.com/l/gsoc">rajgoesout.gumroad.com/l/gsoc</a>.</li></ul> <b>ScholarDAO</b> , Democratize Research <ul style="list-style-type: none"><li>Protocol for decentralized, autonomous publishing of scientific research using a peer-review system, reputation system of scientists, and citations indexer.</li><li>Developed a <i>subgraph</i> to keep track of citations and H-Index of scientists.</li></ul>
<b>ACTIVITIES &amp; AWARDS</b>	<ul style="list-style-type: none"><li><b>Superteam</b> - Content Writing Bounty - Wallet Opsec Feb 2024</li><li><b>Speaker</b> - Web3Conf India, Goa - “BUIDL Interoperability-first smart contracts with ink!” Aug 2022</li><li><b>HackFS</b> - Finalist (top 12 out of 150 teams worldwide), won \$5k Aug 2021</li><li><b>Mentor</b>, Google Summer of Code @MacPorts May 2020 – Aug 2020</li></ul>
<b>SKILLS</b>	<ul style="list-style-type: none"><li>Languages: Rust, Solidity, TypeScript, Golang, Python, PostgreSQL.</li><li>Technologies: React/Next/Vue.js, Ethers/Web3.js, GraphQL, MongoDB, Redis, RabbitMQ, Docker.</li><li>Others: Copywriting, Technical Writing.</li></ul>

[CV compiled on 2024-04-19]