

SHUBH PATNI

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EDUCATION

Northeastern University

Bachelor's Computer Science and Economics

Aug 2021 - Apr 2025

Relevant Courses: Data Structure & Algorithms, Object Oriented Design, Database Design, Networks & Distributed Systems

Certifications: Stanford: Algorithm Specialization, Coursera: Nand 2 Tetris

PROFESSIONAL EXPERIENCE

Giaaka

Full Stack Developer

Freelance Remote

Sep 2023 - Oct 2023

- Spearheaded the creation of Norswap and led a team of 3 engineers to build a staking service in Next JS, MongoDB
- Proficiently designed and implemented the Frontend, Backend, API endpoints, and seamlessly integrated Smart Contracts within Norswap. Hosted the service on AWS using Nginx

DAO Maker

Researcher

Part-Time Remote

Jun 2022 - Aug 2022

- Thoroughly examined tokenomics and formulated investment strategies for prominent DeFi products, including GMX, GHO, and DAO. The strategies helped 650k subscribers make informed investment decisions
- Conducted a comprehensive market analysis of pivotal events within the web3 space, such as the Ethereum merge, 3AC collapse, Taro developments, and the Lightning Network, assessing their direct impact on associated assets.

Phemex

Researcher

Part-Time Remote

Jan 2022 - Jun 2022

- Crafted a comprehensive research paper delving into the intricacies of Avalanche network's tokenomics, fundamental aspects, and ecosystem, providing invaluable insights for informed investment decisions by Phemex exchange stakeholders.
- Conducted an in-depth assessment of the Song a Day DAO, evaluating the worth of its music NFT collection.

PROJECTS & OUTSIDE EXPERIENCE

Pendulum

- Handpicked among just 16 teams by Lightspeed and Polychain Capital to pitch to a discerning audience of 50 VCs
- Orchestrated end-to-end development for Pendulum, encompassing smart contracts, frontend design, and contract integration using Next JS, Typescript, Wagmi, and Solidity

Verifund

- Secured victory at Harvard University's Hack Boston competition for crafting the top solution on the Telos blockchain
- Engineered smart contracts for a distinctive crowdfunding platform utilizing Solidity, enhancing the landscape of fundraising

Uniswap V1, V2, V3

- To master DeFi Basics, re-implemented core and peripheral contracts for Uniswap V1 and V2, showcasing a thorough grasp of CPMM, TWAP, and essential mathematical concepts.
- Implemented core contracts for Uniswap V3 such as re-implementing ticker math, liquidity management and swap

Ethernaut

- Applied best practices in blockchain security to identify vulnerabilities and hacked smart contracts to learn
- Enhanced knowledge of blockchain security principles through hands-on experience in the Ethernaut Security Challenge. Finished till level 19

Actions

- Secured victory in the prestigious Lion Hack for Cyber Connect track at Columbia University.
- Developed a semi-functional social media platform within a remarkable 24-hour timeframe.

ResMe

- Engineered a resume builder platform leveraging Next.js and TypeScript, integrating Zod, MongoDB, Next Auth, coupled with Server Actions and REST APIs for backend operations, and Zustand for state management.
- Implemented a dynamic, real-time custom preview feature, enabling users to review updates instantaneously and download their resumes in PDF format. Achieved 95% on Lighthouse, Website currently serves over 1000 users

NEU Gym

- Developed a website for university, empowering 25k students to discover the least crowded times for gym visits
- Leveraged D3.js to create interactive charts. Implemented cron jobs and computer vision OCR for automated data scraping, and PostgreSQL for robust data storage.

SKILLS & INTERESTS

Skills: Solidity, Foundry, Hardhat, Wagmi, Viem, Next.js, Node.js, Agile, AWS, Django, GraphQL, JavaScript, Git, HTML/CSS, Java, MongoDB, MySQL, Postgres, React.js, Redux, REST APIs, SQL, Python, TypeScript, Web Development, Software Testing