

# SHUBH PATNI

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## EDUCATION

**Northeastern University**  
*Bachelor's, Computer Science*

**September 2021 - May 2025**  
*GPA: 3.3*

- **Relevant Courses:** Data Structures & Algorithms, Object Oriented Design, Financial Economics, Database Design, Econometrics

**Certifications:** Stanford Algorithms Specialisation, Nand 2 Tetris, Patrick Collin's Full Stack Course, Ethernaut, Uniswap book

## PROFESSIONAL EXPERIENCE

### Giaaka

*Product Manager / Developer*

**Remote**

*September 2023 - Present*

- Spearheaded the development of Norswap, the proprietary exchange platform for Nordek Chain
- Proficiently designed and implemented the Frontend, Backend, API endpoints, and seamlessly integrated Smart Contracts within Norswap. Used Vercel, MongoDB, Typescript, Next Js and Solidity

### DAO Maker

*Researcher*

**Remote**

*July 2022 - August 2022*

- Thoroughly examined tokenomics and formulated investment strategies for prominent DeFi products, like GMX, GHO, and DAO.
- 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*

**Remote**

*February 2022 - June 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.

### Help Uddaan Foundation

*Co-Founder*

**Remote**

*June 2018 - April 2020*

- Orchestrated multiple fundraising events, booths, and volunteer initiatives dedicated to providing sustenance and support to visually impaired individuals residing in an orphanage.
- Launched a song to disseminate awareness about COVID-19, resulting in the mobilization of resources to provide nourishment for more than 1,000 impoverished families in India.

## PROJECTS & OUTSIDE EXPERIENCE

### Pendulum

- Handpicked among just 16 teams by Lightspeed and Polychain Capital to pitch to a discerning audience of 50 VCs
- Orchestrated development for Pendulum, encompassing UUPS smart contracts, frontend design, and contract integration.

### 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.

### 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.

### Face ID for Mac

- Created the first working Face ID solution for Mac by leveraging Python, Selenium, Linux daemons, and Open CV
- Allows users to unlock devices without entering their password just like an iPhone.

### Uniswap V1, V2, V3

- Skillfully developed core and peripheral contracts for both Uniswap V1 and V2, showcasing a thorough grasp of CPMM, TWAP, and essential mathematical concepts. Additionally, implemented core contracts for Uniswap V3 using Uniswap development book.

### 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

## SKILLS & INTERESTS

**Skills:** Python, Java, JavaScript, TypeScript, HTML/CSS, React.js, Next.js, Solidity, MySQL, REST APIs, MongoDB, Django, AWS, Git, Agile, Software Testing, Ethereum Virtual Machine (EVM), Blockchain, Foundry, Hardhat, UUPS, CPMM, TWAP

**Interests:** Backpack Traveling, Skateboarding, Calisthenics, Reading, Guitar, Twitter, Finance, Software Engineering