SHUBH PATNI

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EDUCATION

Northeastern University   **Sep 2021 - May 2025**
Bachelor's Computer Science and Economics (Honors)   *GPA: 3.34*

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

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

EXPERIENCE

Giaaka   **Fulltime Remote**
Researcher   *Sep 2023 - Current*
- Spearheaded the creation 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

DAO Maker   **Part-Time Remote**
Researcher   *Jul 2022 - Aug 2022*
- Thoroughly examined tokenomics and formulated investment strategies for prominent DeFi products, including 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   **Part-Time Remote**
Researcher   *Feb 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.

Help Uddaan Foundation   **Part-Time Bangalore**
Co-Founder   *Jun 2018 - Apr 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

ResMe
- Engineered a resume builder platform leveraging Next.js, TypeScript, Zod, MongoDB, Next Auth for secure authentication, coupled with Server Actions and REST APIs for backend operations, and Zustand for state management.
- Achieved an exceptional performance benchmark with an average of 95% across Google Lighthouse and implemented a realtime custom preview feature enabling users to review updates instantaneously and download their resumes in PDF

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

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.

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.

Image Processing Software
- Employed Model-View-Controller and Command Design patterns to create an efficient Java-based image processing software.
- Designed interactive Java Swing user interfaces and crafted algorithms for mosaic, histogram, and color transformations.

Marble Solitaire
- Executed object-oriented design principles and leveraged the builder pattern to craft a modular marble solitaire game in Java.

SKILLS & INTERESTS

Skills: 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

Interests: Finance, Backpack traveling, Skateboarding, Calisthenics, Reading, Guitar, Twitter, Coding