SHUBH PATNI

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EDUCATION

Northeastern University   **Sep 2021 – May 2025**
Bachelor's Computer Science and Economics

Relevant Courses: Data Structure & Algorithms, Object Oriented Design, Database Design, Statistics

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

PROFESSIONAL EXPERIENCE

Giaaka   **Fulltime Remote**
Product Manager/Developer   *Sep 2023 – Present*
- 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   **Part-Time Remote**
Researcher   *Jul 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   **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 to 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

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 of large dataset

Learn AI
- Developed a web interface using Django and Python, encompassing four core AI functionalities: face-recognition, image detection, music generation and image synthesis using custom trained SSD, YOLOv3, and LSTM models

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.

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

Image Processing Software
- Employed MVC and Command Design patterns to create an eUcient Java-based image processing software.
- Designed interactive Java Swing UI and crafted algorithms for mosaic, histogram, and color transformations.

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

Actions
- Secured victory in the Lion Hack for Cyber Connect track at Columbia University. Built web3 social media platform

Verifund
- Secured victory at Harvard University's Hack Boston hackathon for crafting the top solution on the Telos blockchain

SKILLS & INTERESTS

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

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