ISHA PATRO

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PROFESSIONAL PROFILE

Full-stack developer with a mix of tech skills and financial know-how. I've progressed from intern to Software Engineer II, working on mortgage-backed securities and trading platforms. I approach every project with curiosity and determination, excelling in high-stress situations. With a keen interest in innovation and love for finance, I'm always seeking new ways to advance the fintech landscape.

EXPERIENCE

J.P Morgan Chase & Co.

Software Developer Engineer - II   **Jan 2024 - Current**
- Lead development initiatives and collaborate directly with traders to gather requirements, provide technical insights, and secure signoffs, ensuring solutions meet the evolving needs of the trading floor.
- Worked on the Mortgage Matrix tool, gaining a broader perspective on mortgage backed securities and enhancing the integration between technical development and real-world trading operations.

Software Developer Engineer - I   **Aug 2021 - Jan 2024**
- Developed and enhanced the Trade Reporting and Compliance Engine (TRACE), focusing on accurate trade reporting and regulatory compliance.
- Implemented improvements to streamline data processing and reporting workflows, contributing to more efficient and compliant trade operations.

Software Developer - Intern   **Jan 2021 - Jul 2021**
- Created a JIRA ticket management app that streamlined task tracking and resolution, leading to enhanced collaboration and efficiency across teams at JP Morgan.

Amazon

ACMS Intern   **May 2020 - Jun 2020**
- Designed wireframes and contributed to the full lifecycle of a responsive Appointment Scheduler website, focusing on user needs and goals.
- Prepared the website for integration with Chime and implemented best practices to ensure a seamless user experience and robust functionality.

Octathorpe Web Consultant

Data Analyst Intern   **Apr 2019 - Jul 2019**
- Procured and analyzed data from diverse primary and secondary sources to extract insights and identify usage trends for informed business decisions.
- Tracked Conversion, Retention, and Monetization metrics to provide a comprehensive analysis of business performance.

Collpoll

Data Engineering Intern   **Apr 2018 - May 2018**
- My role included extracting and working with large amounts of structured and unstructured data. I also focused on understanding key elements of product development and implementing strategies to expand the user base.

PROJECTS

Minted Wealth 🔗
- A platform providing real-time stock market data, tracking users' financial journeys, and empowering informed financial decisions.

Cloud Generator - CG0R
- Designed an autonomous floating buoy system for oil spill cleanup and cloud formation acceleration.
  - Won 1st prize at Engineering Clinics Expo FALL-2018.

Autonomous humanoid robot
- Created a biped robot powered by Amazon's Alexa with custom skills using Raspberry Pi and Arduino.
  - Won 1st prize at Engineering Clinics Expo FALL-2017.

PUBLICATIONS

Unlocking Financial Wisdom: Building Knowledge Graphs from Investopedia 🔗
Built a financial knowledge graph by extracting, processing, and visualizing terms and definitions from Investopedia, integrated into Obsidian for interactive exploration.

BLOGS

Unlocking the Power of Obsidian Vaults with Python: A Simple Guide to Supercharge Your Note-Taking!
- The medium blog explores how to optimize note-taking efficiency using Python scripts in Obsidian, highlighting methods to automate file management, create linked notes, and enhance overall productivity through streamlined data organization.

Breaking Down the 32nd Bond Price Format
- Explained the complexities of the 32nd bond price format, breaking it down for clearer understanding and practical application

EDUCATION & CERTIFICATIONS

Bachelor's in Computer Science
Vellore Institute of Technology, AP
Aug 2017 - Jul 2021
- Completed 156 credits with an overall CGPA of 8.65

Senior Secondary Education
Khalikote University
Aug 2015 - Jun 2017
- Scored 75% in Science in the CHSE board
- Received a laptop for good marks under the Biju Yuva Sashaktikaran Yojana

High School Education
D. A. V Public School
Aug 2003 - Jun 2015
- Completed high school education under the CBSE board, achieving a commendable CGPA of 9.6

SKILLS

- Python
- React
- AG Grid
- HTML
- CSS
- Javasript
- Machine Learning
- Data Mining
- Tableau

EXTRACURRICULAR ACTIVITIES

- Painting
- Digital Art
- Classical Dance
- Tribal Dance
- Candle Making
- DIY Club Leader
- School Leader
- NCC Cadet