Harsh Jha

Full Stack Developer

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EXPERIENCE

Santa Cruz Police Department, Santa Cruz — Full Stack Developer

January 2024 - PRESENT

- Developing a self-reporting platform for officers, improving data collection and statistics
- Integrating data collection features to track officer activities, enhancing crime mapping precision
- Implementing algorithms to analyze collected data, identifying crime trends, and improving resource allocation
- Provided training and support to officers and supervisors, fostering continuous improvement in data accuracy

Association for Computing Machinery, Santa Cruz — Community Lead

January 2023 - February 2024

- Increased quarterly events by 80%, featuring engaging activities (scavenger hunts, skill workshops)
- Nurtured a lively ACM community with diverse events (movie nights, Google STEP workshops)
- Cultivated partnerships with UCSC colleges, improving ACM's finances and visibility

Petals Events & Decor LLC, San Jose — Architect

July 2022 - August 2022 **https://petalsevents.vercel.app/**

- Petals specializes in diverse event planning & decor, covering events from birthdays to weddings
- Developed Petals' responsive website prioritizing services, events, & seamless navigation
- Implemented advanced strategies for enhanced client communication & website efficiency
- Achieved successful engagement with over 100 clients within 6 months

EDUCATION

University of California, Santa Cruz — Computer Science B.S.   SEPTEMBER 2021 - JUNE 2024

GPA: 3.85/4.0 Awards: Dean's Honor List, College Scholars Program

Relevant Coursework: Data Structures, Computer Architecture, Computer Systems and C Programming, Introduction to Probability Theory, Machine Learning, Deep Learning, Database Systems, Linear Algebra, Natural Language Processing

SKILLS

Web Development: React | HTML & CSS | Javascript | Figma | AWS Lambda | AWS Amplify | Bootstrap

Databases: Neo4j | PostgreSQL | DynamoDB | Firebase

Programming Skills: C/C++ | Python | Java

Tools: Git | Vim | Windows| Jira | Latex | Docker | Vercel | Microsoft PowerBI | Agile

Machine Learning: PyTorch | TensorFlow | Keras | Numpy

Soft Skills: Communication | Teamwork | Time Management | Public Speaking

PROJECTS

StudyLink

React, CSS, Python, AWS: https://github.com/Harsheys21/Study-Link

- Developed a full-stack app addressing the challenge of post-campus study group formation and remote learning isolation

Academic Assistance

React, CSS, Python, Neo4j, Flask: https://github.com/Harsheys21/AcademicAssistance

- Developed a specialized web app to aid UCSC CSE majors in crafting personalized academic schedules, addressing challenges stemming from diverse requirements and a lack of specialization

Soteria

HTML, CSS, Mapbox: https://github.com/Harsheys21/Soteria

- Created and coded the Soteria website with a focus on Santa Cruz safety, providing secure travel routes and featuring interactive maps for an enhanced user experience