MAHIKA SHAH

COMPUTER SCIENCE & ENGINEERING

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EDUCATION

University of California, Merced   August 2023 - Present

Bachelors of Science | Computer Science and Engineering
Relevant Coursework: Discrete Mathematics (Python), Intro to programming (C++), CSE030 (data structures)

College Park High School   August 2019 - May 2023

LANGUAGES & FRAMEWORKS

C++	Javascript	React	Bootstrap
C#	Ruby	HTML	SQL
Python	CSS	React Native	TensorFlow

RELEVANT EXPERIENCE

Externship   **July 2024 - August 2024**

Blockchain and Web3 Security Research Externship Intern

- Conducted comprehensive blockchain technology analysis, by identifying emerging blockchain technologies, assessing market positioning and technological offerings, to identify industry trends and innovation opportunities
- Analyzed Web3 security competitors of non-mainstream Web3 security startups, delineating product offerings, strategic market placement, and consumer insights to spotlight potential market disruptors
- Synthesized research findings to create a strategic market map, culminating in the recommendation of cutting-edge blockchain solutions tailored to enhance company competitiveness in the digital landscape.

PROJECTS

Portfolio   **Repo** | **Live Demo**

- Full Stack Developer curated portfolio made from scratch using HTML, CSS, Javascript
- Used Visual Studio Code

PlanIt   **Repo** | **Live Demo**

- AI Platform for users that helps create a diet plan based on specific issue (PCOS, Diabetes, E.T.C)
- Frontend: React Native, HTML, CSS
- Backend: TensorFlow, Python

AlzMem   **Repo** | **Live Demo**

- Platform for alzheimer patients to use combination of reminders, repetition, and associations to help the patient retain memory such as top priority tasks, normal piority tasks
- Mechanism for reporting memory performance to healthcare providers based on user feedback
- Frontend: React Native, Tailwind CSS
- Backend: Node.js
- Data analysis: TensorFlow

TravelHands

- A platform that can automatically generate an itinerary based on the destination given.
- Can create custom itineraries based on user preferences and constraints.
- Frontend: React, Next.js, Tailwind CSS
- Backend: Typescript, Express.js, Node.js
- Machine Learning: Python with Flask

CERTIFICATIONS

- Code Camp | Machine Learning with Python Certification   **December 2024**

- Coursera | IBM Full Stack Software Developer Professional Certificate   **January 2025**

ASSOCIATIONS

- GMI - Global Mentorship Initiative
- UC Merced Maza - South Asian Dance Club Vice President