

Siddhanth Kumar

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EDUCATION

Purdue University

Bachelor of Science in Computer Science

West Lafayette, IN

Aug. 2023 – Present

Northwood High School

GPA: 4.42; Classes: Calculus 1, Calculus 2, Java, AP CS Principles

Irvine, CA

Aug. 2019 – June 2023

University of California, Berkeley

GPA: 4.00; Classes: Introduction to Computational Physics (code and LSTM model)

Berkeley, CA

June 2022 – Aug. 2022

PROFESSIONAL EXPERIENCE

University of California, Irvine

Research Intern

Irvine, CA

June 2021 – June 2023

- Developed a REST API using ExpressJS and PostgreSQL to store data from mobile systems
- Developed a full-stack mobile application using React-Native, PostgreSQL and Docker to analyze collected data
- Tested viability of application on UCI campus and in a lab setting

health{hacks}

Operations Team Member

Irvine and Palo Alto, CA

August 2022 – Present

- Helped develop website for the hackathon using Javascript, (Next JS), Prisma, Mongo DB, Google Cloud Platform
- Search for venues, mentors, judges, speakers, and sponsors for health{hacks} catering to 150+ students
- Coordinate the sponsorships of creating a hackathon, allocating money to food and venue

COMPETITIONS AND PERSONAL PROJECTS

SB Hacks IX (UC Santa Barbara) | Javascript, AWS, Serverless, Git, Tensorflow, Python

May 2023

- * Built an automatic tab sorter using the chrome.extension API including a natural language processing and sentiment analysis algorithm
- * Connected extension to AWS Dynamo DB to sort tabs by academic subject (Math, Biology, CS)
- * Final model has high accuracy (83%) and is lightweight enough to run and sort tabs in real-time

MelaNoMore | React-Native, Javascript, TensorflowJS, OpenCV, Keras

June 2022 – Aug. 2022

- * Developed a full-stack mobile app using in-built phone camera to detect melanoma through skin moles
- * Collaborated on binary image classification ML model with 90% accuracy
- * Implemented Yelp API to find and contact local doctor's offices in case of a malignant melanoma scan

TFTI - Thanks for the Invite | React-Native, Javascript, Firebase, Google Places API

July 2022 – Oct. 2022

- * Programmed a full-stack mobile application and event management system to provide a hub for social events
- * Designed custom color-scheme using Material UI to create a sleek and quick UX

TECHNICAL SKILLS AND AWARDS

Languages: Java, Python, SQL (Postgres), JavaScript, HTML/CSS, PHP

Frameworks: React, React-Native, Node.js, Flask, SASS, WordPress, Material-UI, RapidAPI, Express, Flutter

Developer Tools: Git, Docker, Android Studio, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Firebase, Supabase, MongoDB

Libraries: pandas, NumPy, Matplotlib,

Awards: 1st Place Overall at SB Hacks IX amongst 150 students