Siddhanth Kumar

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EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science in Computer Science   *Aug. 2023 – Present*

Northwood High School   Irvine, CA
GPA: 4.42; Classes: Calculus 1, Calculus 2, Java, AP CS Principles   *Aug. 2019 – June 2023*

University of California, Berkeley   Berkeley, CA
GPA: 4.00; Classes: Introduction to Computational Physics (code and LSTM model)   *June 2022 – Aug. 2022*

PROFESSIONAL EXPERIENCE

University of California, Irvine   Irvine, CA
Research Intern   *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}   Irvine and Palo Alto, CA
Lead of Operations   *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 finances of creating a hackathon, allocating money to machine learning workshops, merchandise, 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