

Denis Pandarakalam

San Jose, California | (323) 336-1526 | dpandarakalam@gmail.com | [linkedin.com/in/denispanda](https://www.linkedin.com/in/denispanda) | github.com/DenisPandarakalam

EDUCATION

University of California, Davis – Davis, California

Bachelor of Science in Computer Science & Engineering

Graduated June 2024

- 3.78 / 4.00 GPA

- Google Developer Student Club, UCD - AI/ML Tech Director

- UC Davis Computer Science Tutor - Data Structures, Object-Oriented Programming, & Machine Dependent Programming

Relevant Coursework

Probability & Statistical Modeling for CS, Machine Learning, Computer Vision, Advanced Computer Graphics,

Operating Systems, Machine Dependent Programming (x86), & Computer Architecture.

TECHNICAL SKILLS

- **Core Stack:** React, React Native, Next.js, TypeScript, JavaScript, Python, Supabase, Firebase, Express.js, Node.js, Git

- **Additional Experience:** MongoDB, Docker, Google Cloud, AWS, Vercel, Java, PyTorch, OpenAI API, C++, x86 Assembly

PROJECTS

JukeBox - Sole Developer

June 2024

Tech Stack: React-Native (TypeScript), Spotify Web API, Express.js, Google Cloud Platform, Firebase, Firestore, & Vercel

- Developed a group playlist queuing app that solves real-time queue and sync features across devices via Spotify API & Firebase.

- Built in React Native & deployed backend, interacting with Firestore, via Vercel.

CalendarPlus - Sole Developer

June 2023

Tech Stack: React (TypeScript) with Redux, Express.js with Axios, Google Cloud Platform API, Firebase, MongoDB, & Vercel.

- Built a modern calendar app clone with secure OAuth login and calendar sync using the Google Calendar API.

- Designed front-end in React + Redux, with MongoDB Atlas for encrypted user preferences.

- Utilized Vercel to deploy an Express.js backend that interacts with Google Token API.

ml.MD - Team of 3 | 1st Place: Most Impact Award | 2nd Place: Overall - Google Developer Student Club, UCD

May 2023

Tech Stack: Streamlit (Python) & PyTorch.

- Deployed a convolutional neural network (CNN) with PyTorch to detect abnormalities in chest x-rays and diagnose diseases.

therAPI - Team of 3

April 2023

Tech Stack: Next.js (TypeScript) with Jotai, Tailwind, OpenAI API, & Google Maps API.

- Built a therapist finder app that uses GPT-3 to analyze user input and suggest local matches.

- Incorporated location-aware recommendations using Google Maps API.

#GoAgs - Team of 2

April 2022

Tech Stack: Flask, Bootstrap, MongoDB, Twilio API, & Google Maps API.

- Implemented a geolocation check-in system for campus events using Google Maps and Twilio for notifications.

EXPERIENCE

University of California, Davis – Davis, California

Full Stack Software Engineer

June 2023 - June 2024

- Designed, proposed, and developed an internal project tracking site using Django and React.

- Reduced hosting costs and improved uptime by migrating a locally hosted site with 5,000 MAU to an Amazon EC2 instance.

- Maintained various University sites across AWS, Google Cloud Platform, & WordPress.

AggieWorks – Davis, California

Technical Product Manager

June 2023 - June 2024

- Led the engineering and marketing team to grow a multiplatform roommate-matching app to 1,000 MAU within 3 months.

- Led a scrum team of ~10 developers & assigned tasks based on agile methodologies developer ability, feature size, and priority.

- Wrote JS-Doc documentation & employed GitHub to manage version history and collaborate with a small development team.

Software Engineer

October 2022 - June 2024

- Developed the MVP of a multiplatform roommate matching app for 30,000 UC Davis students using React-Native with Expo.

- Implemented a user information storage system on Supabase PostgreSQL databases and S3 buckets.

- Optimized messaging system to become instant utilizing web sockets.

- Added custom prefetch and caching system to reduce database costs and loading times.