MIHIR PATEL
U.S. CITIZEN

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EDUCATION

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
B.S Computer Science and Psychology 2021
Emphasis on Machine Learning and Cognitive Science

SKILLS

LANGUAGES/LIBRARIES: Java, C++, Python, NodeJS, TensorFlow, Java GUI, ReactJs, StripeJs, Amazon Web Services, Flutter, Firebase

OTHER: Research and Analysis, Training and Teaching, Troubleshooting and Diagnosing, Patience and Adaptability, Leadership and Team Management

PROJECTS

EXPRESSION CLASSIFIER
Utilizing Python and TensorFlow library to create a program which is able to identify between three difference human facial expressions using Convolutional Neural Network and a sequential model for facial expression prediction with more than 80% accuracy.

IMAGE SEGMENTATION
Created using python and the TensorFlow library to identify and segment human hair at a close to 80% accuracy. The model used for prediction was modified version of the default U-NET model.

NGCP UAV SOFTWARE ENGINEER 2020-2021
Derive software related requirements, work in teams to research potential technologies and construct code modules that are compatible with the hardware.

POLYTRANSFER CONNECT
Android mobile application created to display and share events related to PolyTransfer Program at Cal Poly Pomona. Allows users to be connected with staff and mentors as well as other resources on campus. This app is created with flutter and uses firebase as the backend server.

THE SHUFFLING
TheShuffling is a Web Service available for users to upload and organize custom card collections. It features a global chat and Google login for user authentication. The web service is created by using NodeJS, Mongo Atlas, express, and hosted using Amazon AWS EC2. Demo: youtu.be/Tv1DGACwy1U

EMPLOYMENT

COMPUTER TECHNICIAN
Responsible for installing and setting up computer hardware and software, coordinating hardware/software troubleshooting tasks, and performing maintenance checks and repairs at NZXT Inc.

STUDENT PEER MENTOR
As a mentor, I support and encourage new Cal Poly Pomona transfer students for success by creating a necessary plan for a path to success. I mentored 14 students and communicated with them on weekly bases to track their progress. I provided my mentees with resources and guidance to help them achieve their goals.

KEY ACHIVEMENTS

CYPROUD - CYPRESS COLLEGE
At the end of the school year, the faculty and staff members nominate highly skilled, talented, and dedicated students from the graduating class for this award. Out of the selected CyProud students, five students, including me, were chosen to have their own personal banner put up at the entrance of the admissions building.

TRUSTEES PRESENTATION - CYPRESS COLLEGE
Every new academic year, faculty members or programs on campus nominate three to five students to share their life story and express the student experience at Cypress College to the Board of Trustees. Extended Opportunity Program and Services nominated me to share my story and because of this experience, I became very confident in my public speaking skills.