

Mihir Patel

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SUMMARY

Cal Poly Pomona senior who is pursuing in Computer Science degree to hopefully get a career opportunity in Machine Learning and a software engineering related field. I am planning to use my knowledge gained from my emphasis on Cognitive Science to aid in understanding Machine Learning and Artificial Intelligence applications.

SKILLS

PROGRAMMING: Java, C++, Python, NodeJS, MongoDB, Flutter, Dart, JavaScript, TensorFlow

OTHER: Team Management, Communication, Research and Analysis, Training and teaching, Programming and managing events, Adobe Suites, Event planning and programming

PROJECTS

NGCP UAV Software Engineer

As a part of the NGCP UAV Team at Cal Poly Pomona, my responsibilities are to research and construct code modules. Participate in scrum meetings and develop a final product in time for the competition.

TheShuffling

TheShuffling is a Web Service available for users to upload and organize custom card collections. It features a global chat and a Google login authentication. The web service is created by using NodeJS, Mongo Atlas, JavaScript, bootstrap, and hosted using Amazon AWS EC2. I worked on front-end development, global chat, and software testing. Demo: <https://youtu.be/Tv1DGACwy1U>

COVID-19 Predictions

Created a Machine Learning model using Support Vector Model to predict future cases of corona virus. This outputs a comparison between the Linear Regression model prediction and Polynomial algorithm in the SVM prediction.

EMPLOYMENT

NZXT, BLD Team Member

As part of the Assembly team member, it is my duty to coordinate installation and set-up of desktop computer hardware, work in teams to set-up a custom build, and report abnormalities, if any.

PolyTransfer, Student Peer Mentor, Cal Poly Pomona

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 also promote Transfer student culture at Cal Poly Pomona Via social media and on-campus events.

CL Academy, Math/Physics Tutor

Provided tutoring for skill-based math such as SAT Math, Geometry, Trigonometry, Pre – Calculus. Created weekly lesson plans for AP Physics and helped the student understand concepts and prepare for the AP Physics Exam.

LEADERSHIP

Science Council, Director of Programming

Cal Poly Pomona, CA

- Plan, coordinate, and execute all events in coordination with the Council
- Reaching out to on campus resources for collaboration in events.

CPP Tamanna, Co-Captain

Cal Poly Pomona, CA

- Managed the dance team with Team Captain
- Created a choreography routine for the dance team