

Ashar Afaq

San Jose, CA
asharaf16@gmail.com
(512)-636-8183

EDUCATION

San Jose State University, San Jose, CA — BA Mathematics

Jan 2024 - Sept 2026 (Expected)

Los Medanos College, Pittsburg, CA — Transfer

Aug 2023 - Dec 2024

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Discrete Mathematics
- Java Programming
- Data Science with Python
- Intro to CyberSecurity
- Computer Networking

SKILLS

Java, JavaScript, TypeScript,
Python, MySQL, AWS,
Networking, HTML, CSS, REST
API

PROJECTS

AutotrAids — AI-Based Web Application for eBay Listings

- **Description:** Developed an AI-driven web application leveraging OpenAI and eBay APIs to provide real-time eBay listings for interchangeable vehicle parts.
- **Key Technologies:**
 - Frontend: AngularJS, TypeScript
 - Backend: Node.js, AWS EC2, MySQL, AWS RDS
 - AI Integration: GPT-4 API, OpenAI API
 - Architecture: RESTful APIs, Microservices
 - Cloud: AWS (EC2, RDS)
 - Database Management: MySQL
- **Key Skills:** API Integration, Full-Stack Development, Cloud Computing, AI, Microservices, RESTful API, Database Management, AngularJS, TypeScript, Node.js, AWS.

Concrete Tensile Strength Predictor — Machine Learning Project

- **Description:** Developed a machine learning-based Python application that predicts the tensile strength of various concrete mixes using linear regression models.
- **Key Technologies:**
 - Language: Python
 - Libraries: SciKit Learn, Pandas, Matplotlib
 - Model: Linear Regression, Data Preprocessing
 - Data Analysis: Pandas, Numpy
- **Key Skills:** Machine Learning, Predictive Modeling, Data Analysis, Regression, SciKit Learn, Python, Data Visualization, Statistical Modeling.

Martian Weather Web Application — NASA API

Integration

- **Description:** Built a Python-based web application to display Mars weather data collected by NASA's Insight Weather Probe using the NASA API.
- **Key Technologies:**
 - **Web Framework:** Flask (Python)
 - **API Integration:** NASA API, RESTful API
 - **Frontend:** JavaScript, HTML, CSS
 - **Backend:** Python, PHP
- **Key Skills:** Web Application Development, API Integration, Python, Flask, JavaScript, PHP, Data Visualization, NASA API, RESTful API, Frontend Development.