

# KRISHNA PANDYA

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## EDUCATION

### Arizona State University

*Master of Science, Software Engineering*

Jan 2022 - Present

4.00 GPA

### Gujarat Technological University

*Bachelor of Engineering, Information Technology*

Aug 2017 - May 2021

3.8 GPA

## SKILLS

**Languages:** C, C++, Java, JavaScript, Dart, Python, HTML, CSS, XML, SQL

**Databases:** Firebase, SQLite, MySQL, MongoDB

**Frameworks/Libraries/Technologies:** Flutter, Native Android, Tableau, ReactJS, NodeJS, ExpressJS, Pandas, Numpy, ScikitLearn, Matplotlib, Seaborn, Tensorflow, Keras, AWS, Design Patterns, Distributed Systems

**Tools/Platforms:** Android Studio, Pycharm, VSCode, Google Colab, Git, Github, Dialogflow, ANTLR4

## PROJECTS

### Twitter Trending Topics Visualization [↗](#)

Jan 2021 - May 2021

- Data Science Project to fetch important topics from tweets dataset, find the important topics using LDA algorithm and visualize it using tools like plotly
- Used d3, recharts library of React.js to plot 4 types of interactive charts and plotly API for visualizations

### The Mind Guardian [↗](#)

July 2020 - May 2021

- Project based on text sentiment analysis and brain tumour detection. Achieved 96% accuracy in Logistic regression and 91% accuracy in Resnet-50 model
- Implemented the best models from multiple Machine Learning models and deep learning models in the application developed using flutter. The application is available on Google play store called Mind Guardian

### Product Trading and Bidding System [↗](#)

Jan 2022 - Apr 2022

- Created Product Trading and Bidding System using Java. Added the functionalities for Trading, Bidding and showing the product menu
- Implemented 5 types of design patterns like Facade, Bridge, Factory, Iterator and Visitor

### GJ Programming Language [↗](#)

Jan 2022 - April 2022

- Created a Programming language called GJ which is derived from Gujarati. Constructed language Grammar rules by removing left recursion and added it to .g4 grammar file
- Used ANTLR4 to generate parse tree from tokens by giving g4 file and Java to implement Compiler file that converts given program to intermediate code

## WORK EXPERIENCE

### A.I.M. Technologies

*Web Developer Intern*

Jan 2020 - Jun 2020

Ahmedabad, Gujarat, India

- Created a chatbot in the website that was able to take orders of groceries from customers in native language. Chatbot can communicate in Native Language and can find items and their weights from chat

### Aspirational Institute

*Volunteer Python Coach*

Jan 2021 - Jun 2021

Ahmedabad, Gujarat, India

- Worked as Teaching Assistant in Python and taught advance concepts like lambda functions, generators and decorators. Educated around 100+ students in python and the libraries pandas, numpy, matplotlib

## ACHIEVEMENTS AND CERTIFICATIONS

- Hackerrank 5-star competitive programmer [↗](#)
- Google Codejam Coding Competition - 2021 [↗](#)