

# SHRUTI JAIN

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## Skills

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**Languages:** C/C++, Python, Dart, JavaScript, SQL

**Technologies & Tools:** Flutter, Git, Google Cloud Platform, Power BI, Firebase, MongoDB, Arduino IDE, Figma, Tensorflow, Unity, Bootstrap, Android Studio, Streamlit

## Experience

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### Gabriel India Ltd

Jan 24 – Jun 24

*Software Engineer Intern*

*Pune, Maharashtra*

- Incorporated **Python scripts to automate FEA processes**, slashing manual intervention by 75%.
- Created **dashboards** for monitoring and analyzing the OEE of the system using **Power BI**.
- **Tuned DSpace** software with electronic valving system increasing efficiency by 85%.

### Cube Software

Jun 23 – Aug 23

*Flutter Developer Intern*

*Remote*

- Developed a mobile app using Dart and Flutter, leading to a 30% boost in user retention and a 20% rise in in-app purchases.
- Worked with **Google Firebase** to manage 7,000+ user data across multiple platforms.
- Collaborated using **version control systems such as Git** to organize modifications.

### Tripy Duniya

Jun 22 – Dec 22

*Flutter Developer Intern*

*Ghaziabad, Uttar Pradesh*

- Composed a robust travel management platform, comprising both **web and mobile applications** increasing traffic by 32%.
- Implemented **Dart and Flutter framework, integrated with MongoDB**, and reduced loading times by 40%.

## Education

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### KIET Group of Institutions, Ghaziabad

2020 – 2024

*Bachelor of Technology in Computer Science*

*7.9 CGPA*

### Holy Angels' Convent School, Muzaffarnagar

2019 – 2020

*Senior Secondary*

*92.2%*

### Holy Angels' Convent School, Muzaffarnagar

2017 – 2018

*Higher Secondary*

*92%*

## Projects

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### Emotion-Based Music Player | *Python, OpenCV, Deep Learning, Streamlit*

- Engineered an **ML-based webapp** to recommend music according to user's emotions.
- Implemented **CNN model** to determine user's emotions using facial expressions with 94% accuracy.
- Introduced an **NLP model** to analyze a song's emotions using lyrics with 76% accuracy.

### Mask Detection App | *Flutter, Dart, Tensorflow, Google Teachable, Tflite*

- Built a Flutter application to **detect whether the user is wearing a mask or not**.
- Integrated **Machine Learning Model using Google Teachable** with 92% accuracy.
- Able to **increase efficiency up to 70%** in the Covid period.

### Currency Converter App | *Flutter, Dart, Firebase*

- Innovated **Flutter application to convert any currency** globally located on a map to USD.
- Integrated **Open Exchange API** as primary database, enhancing data retrieval speed by 40% and reducing latency in real-time data processing by 25%.

## Achievements

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### NASA Human Exploration Rover Challenge

Dec 22 – Apr 23

*STEM Head*

*US Rocket and Space Center, Huntsville, USA*

- Designed, constructed, and tested a **human-powered rover** for all lunar and marshal surfaces.
- Achieved **Best Outreach Award** among 141 teams internationally.

### Autonom India

Dec 21 – Jul 22

*ADAS Programming Lead*

*SAEINDIA*

- Streamlined Indian accident scenarios for self-driving cars using **IPG Carmaker**.
- Secured **AIR 1**. Won a cash prize of **Rs. 80,000/-**.