Mayank Sharma

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EDUCATION

- **Bennett University (Ongoing)**   Greater Noida, India
  B.Tech. Computer Science: CGPA - 8.72   *2022-2026*

SKILLS

- **Languages & Databases**: Python, JavaScript, Java, HTML, CSS, MongoDB, Dart, MySQL, C++
- **Frameworks**: Django, Flask, FastAPI, React, Flutter, Tensorflow
- **Other Tools**: Android Studio, Git, Docker, GitHub

EXPERIENCE

- **Freelance**
  Website Development   *Sept - Oct 2024*
  - **Built Website for Housing Society**: Built a website for a housing society in Gurgaon i.e Mapsko Royale Ville with real time notices and calender updation with a gallery for images and videos of events

PROJECTS

- **Unier** ↗:
  Built as an alternative to the Nagish App for Indian Users, Unier aims to help deaf people integrate better in society. Currently with support for 3 Languages - Hindi, English and Gujarati, Unier transcribes conversations in real-time so that the specially abled person can view it in a chat format. Once the person has typed out his reply, the app synthesizes it for the other person to hear. Unier will soon be deployed to the Google Play Store, with future plans to add integration with calls using LiveKit or PSTN Gateways and support for more Indian Languages Tech Stack: Dart, Flutter, Firebase, VOSK, Google TTS.
- **Nari Suraksha** ↗:
  A Mobile App being built to aid Women Safety in India. It uses features like One Click Emergency SOS, A Map of nearby safe spots, list of emergency numbers, Cloud synced video and audio streams and a variety of other technological solutions to help a woman feel safe in even the worst of places. Additionally a family of Computer Vision Models is being trained to be deployed as edge based AIoT solutions with CCTV Cameras to detect suspicious activity using Gesture Analytics and Scene Analysis. Tech Stack: Dart, Flutter, Firebase, TensorFlow, YOLOv8, VIT, Roboflow.
- **Work-It-Out** ↗:
  A mobile workout and diet planning app that helps in reaching the desired health goals of user also Computer vision model is added to help user perfecting there exercise form and preventing injuries.

COMMUNITY WORK AND VOLUNTEERING

- **FOSS United College Chapter, Bennett University**   Greater Noida, India
  Core-Tech Team   *September 2024 - Present*

CERTIFICATIONS

- **Convolutional Neural Networks** ↗: Foundational, high-level understanding of CNN's and expericence working with Facial recognition and Tensorflow
- **Sample-based Learning** ↗: Foundational knowledge of Reinforcement Learning and core concepts of Machine learning and experience
- **Natural Language Processing with Classification and Vector Spaces** ↗: Foundational Knowledge on NLP and a good experience of Machine translation, Sentiment Analysis and Semantics
- **Unsupervised Machine Learning** ↗: Gained the Knowledge and experience of Dimensionality reduction and Clustering