

Avneet Sharma

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EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology	CPI: 7.90
<i>B.Tech. in Information and Communication Technology with Minor in Computational Science</i>	<i>Oct 2021 - May 2025</i>
The New Green Field Public Academy, Indore	89.40 %
<i>Central Board of Secondary Education, SSC</i>	<i>2020 - 2021</i>
St. Paul Higher Secondary School, Indore	97.60 %
<i>Central Board of Secondary Education, HSC</i>	<i>2018 - 2019</i>

SKILLS

Languages: C/C++, Python, JavaScript
Tools: VS Code, Git/GitHub, HTML/CSS, PostgreSQL, MongoDB
Frameworks: Django, React.js, Node.js
Libraries: NumPy, Matplotlib, Pandas, Seaborn, scikit-learn, Tensorflow, PyTorch

PROJECTS

Sign Language Recognition Using Deep Learning

Python, Tensorflow, PyTorch, Tkinter

May 2023 – Jun 2023

- Developed an application for real-time translation of sign language to written text.
- Performed transfer learning using an EfficientNet-B7 pretrained base and a custom CNN head for classification of gesture videos into multiple classes corresponding to the set of words in the dataset.
- Fine-tuned the BERT-uncased model and built a transformer for forming grammatically correct sentences from the predicted words.
- Developed a GUI for taking input from the device camera and displaying captions in real-time.

Chatbot Using GPT-3 API:

HTML/CSS, Python, Django

Jan 2023 – Feb 2023

- Built a chatbot for text completion by using a GPT-3 API key, parsing the responses and displaying the result.
- Functionalities include setting a limit on the length of the responses, displaying multiple responses and continuing the previous response.

Customer Churn Prediction for Telecom Service Providers:

Python, HTML/CSS, Node.js

Jun 2022 – Aug 2022

- Performed EDA on a dataset for customer churn in a fictional telecom company.
- Implemented several ML algorithms from scratch and performed hyperparameter tuning for obtaining the best model for accurate classification of churners.
- Developed an application for taking CSV file containing customer data as input and displaying the predictions after classification.

POSITIONS OF RESPONSIBILITY

Presswale (Press Club) Core Member	Jul 2023 – Present
Headrush (Quizzing Club) Core Member	Dec 2022 – Present
Research Club Core Member	Dec 2022 – Aug 2023