

# Pranjal Dwivedi

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## Education

### Vellore Institute of Technology

2020 – 2024

Bachelor of Technology (Computer Science, C.G.P.A - 8.76)

### SGGS Chandigarh

2020

Central Board Of Secondary Education(CBSE)- XII - 87.8%

## Experience

### SDE Intern

Feb 2024 - Present

Unboxing community

- Developed a PostgreSQL wrapper in Go with features like connection pooling, timeouts, and retries, enhancing database efficiency.
- Utilized Go contexts for managing database query execution and implemented the repository layer for PostgreSQL access.
- Designed and implemented a signup flow using AWS Cognito API with the AWS Go SDK v2, covering user registration, confirmation, and verification processes.

### Backend Engineering Intern

May 2023 – June 2023

Fern Wealth Voyagers Pvt. Ltd

Developed and implemented essential APIs, including email generation, password reset, customer search, and customer bulk upload using django REST framework. I contributed to enhancing platform functionality, improving user experience, and ensuring data security.

## Projects

### 1. Youtube for the differently abled

A desktop GUI for differently abled incorporating AI models (voice, gesture, emotion recognition) to help search for music on YouTube. Features include voice controlled CRUD operations on playlists and playback control, gesture-based media control, emotion-triggered song selection, and user watchtime analytics.

### 2. SpotGPT

A web app which uses Spotify API to gather user listening history and uses the collected information to call chatGPT API and give prompt to recommend songs based on user listening history. Deployed on AWS Elastic Beanstalk.

### 3. Book Rental Service

Book rental service implemented using spring boot and MVC architecture which uses spring security for auth.

### 4. Gesture Recognition Based Video player

A python project which uses opencv and tensorflow to classify hand gestures and use them for pausing and playing a video when an appropriate gesture is used.

### 5. Noise classification using transfer learning

Used transfer learning on the model YAMNet to create a noise detection system and deployed using Flask.

## Skills

- Core Java
- Golang
- AWS
- Spring Boot
- MySQL
- OOPs

## Extracurriculars

### IEEE PROFESSIONAL COMMUNICATION SOCIETY (VIT Vellore)

June 2021 - Jan 2024

- Core Member(Machine Learning, Management)

## Certifications

- Core Java specialization-Coursera
- Improving Deep Neural Networks: Hyperparameter Tuning , Regularization and Optimization - Coursera
- Neural Networks and Deep Learning - Coursera