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I am a senior (4th year) doing Bachelors in Computer Science with specialization in Machine Learning and Artificial Intelligence. I have been exposing myself to different Programming Languages (Python, C++, C, Ruby to name a few) as well as frameworks and libraries in fields like Computer Vision (OpenCV, CNN), NLP, LLMs, LangChain, Speech Recognition, systems like TTS, Audio processing and many other ML concepts along with web & cloud technologies like AWS to be able to deploy them for real-world use.

EDUCATION

B.E. in Computer Science and Engineering (AI / Machine Learning)

Chandigarh University, Punjab, India

2020 - Present

CGPA: 8.43

Courses

- Deep Learning
- Natural Language Processing
- Database Management System
- Artificial Intelligence
- Machine Learning
- Data Structures
- Algorithms
- Operating System

12th (Senior Secondary), CBSE Board

NP Co-ed, Lodhi Estate, New Delhi-110002

2020

81.5 %

PERSONAL PROJECTS

Apsara AI - Rule Based Voice Assistant

- Designed and Developed using Python and various integrations such as gTTS, Spotify, smtplib, speech recognition etc.
- Capabilities includes understanding and action-ing upon the commands like play songs on Spotify, read news, schedule calendar meetings, connect Bluetooth, search Wikipedia, set an alarm, and send/read emails, find the phone and many more.

Dynamic Volume Controller through Hand gestures using OpenCV

- Built using Google's open-framework Mediapipe which enables to estimates 468 3D faces and hand landmarks in real-time.
- Allows to adjust the volume of the computer just by using hands.
- Enables dynamic adjustment of the volume depending on distance of person from the laptop.

Face Mask Detection Using Transfer Learning and Computer Vision

- Detects whether the person is wearing a mask or not (with multi-faces in the image enabled as well), trained using Tensorflow & MobileNetv2 architecture.
- Includes additional functionality to notify the admin through e-mail if mask enforcement is not followed and mask not work for 30 seconds.

Email Fixer using LangChain

- Streamlit app powered by LangChain LLMs to fix the language of the email

WORK EXPERIENCE

Backend Web Development Intern

Curve Tomorrow

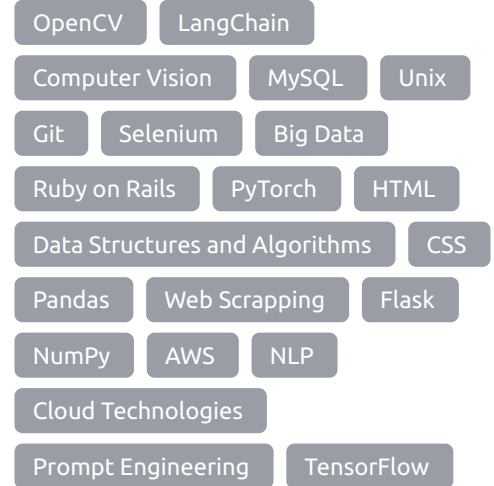
06/2022 - 08/2022

Melbourne, Australia

Achievements/Tasks

- Implemented a User Log System for auditing purposes
- Added a CMS (Content Management System) to enable admins to add/edit pages without developer's involvement thereby reducing turn-around time from days to minutes
- Collaborated with team members globally

SKILLS



CERTIFICATES

Machine Learning

<https://coursera.org/share/1294fa1e24dae886fc3f78e98f2af05>

Supervised Machine Learning: Regression and Classification

<https://coursera.org/share/7786d9473b22025295f2812f7c53f6d1>

Advanced Learning Algorithms

<https://coursera.org/share/77a638b3c1b2638ef7ba75e378320859>

Linux Fundamentals

<https://coursera.org/share/fac7c010104b002709d1c13a86380e29>

Crash Course on Python

<https://coursera.org/share/ac00638a5fb7fc2bd291014f14bd09c8>

Using Python to Interact with the Operating System

<https://coursera.org/share/0c0cc7ea3f177ef7edc49ea99e9d206b>

Introduction to HTML5

<https://coursera.org/share/dcbbd2fd87f2657d037d2d600fc73c78>

PROGRAMMING LANGUAGES

