Ujjwal Tyagi

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Education

- **Jamia Millia Islamia University** — New Delhi ,India
  Bachelor of Technology-Electronics and Communication Engineering — 2020-2024
  CGPA-9.2
- **Delhi Public School** — Uttar Pradesh ,India
  Class XII AISSCE – 95.4% — 2018-2019
  Class 10 – 10 CGPA — 2016-2017
- **Courses**
  - Complete Machine Learning & Data Science Bootcamp 2022 (CERTIFIED) — UDEMY
  - The Complete Web Developer in 2022: Zero to Mastery (CERTIFIED) — UDEMY
  - Data Structures and algorithms, Operating systems, Database management systems, object-oriented programming (C++)

Skills

- Languages: python, JavaScript, C++ ,C
- Libraries: Scikit learn, Pandas, NumPy, Matplotlib
- Front-End: React.Js, HTML,CSS
- Back-End: NodeJS, ExpressJS
- Database: SQL, MongoDB
- Tools: Git, Jupyter, Google Colab, VSCode
- Soft skills: Leadership, Public Speaking, Event Management

Important links

- Coding Profile: LEETCODE
- Portfolio: github.io/Profile_website
- GitHub : github/UjjwalTyagi15

Experience

- **Web Development and Design Intern** — May 2022-Aug2022
  Unicompiler E-learning platform
  Description: Working as a Front-End developer to design and publish multiple Blogs and Posters for the e-learning firm using React framework. Making personal profile pages for users to track their progress using PostgreSQL and NodeJS.
- **JP Morgan virtual Software developer experience** — Sept2022
  Description: Explored life as a software engineer at JPMorgan Chase and obtained valuable technology skills. familiarizing oneself with JPMorgan Chase frameworks and applying technical skills to a hypothetical request from the firm's trading floor to analyze and visualize data in a new way.

Projects

- Face-detection Web application
  - A full stack web application including user registration and profile data management and using a pre-trained machine learning model from clarify API to detect Face in a user-provided image(URL).
  - Front-end using ReactJs framework.
  - Back-end using NodeJS, ExpressJS .
  - Database management by PostgreSQL.
  - Clarify model used – Mobile_net_V2.
- Dog Breed Identification System
  - Using a Machine learning Model to identify a dog's breed based on a dog's image (png, jpg).
  - Using pandas and NumPy to Pre-process our data
  - Model from TensorFlow Hub to make predictions on our analyzed data.
  - **Accuracy** of the model- 89% (R2 score) || **Dataset** - 10,000+ labelled images of 120 different dog breeds.
- Predicting Heart disease
  - To predict if a patient has a certain heart disease based on their medical records using machine learning.
  - Using Jupyter, Pandas and NumPy to analyze and process the data.
  - Importing models from Scikit learn Library.
  - Dataset: Cleveland database || Metrics (100%) : 87.05(F1 score) , 92.7 (recall score) , 82.158 (precision) 88 (accuracy)