

Avdhesh Varshney

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GitHub

Portfolio

EXPERIENCE

- Social Winter of Code *Top 50 Contributor* Jan'24 - Mar'24
- Secured the 5th position demonstrating exceptional analytical and critical thinking skills.
- JGEC Winter of Code *Project Admin and Mentor* Jan'24 - Feb'24
- Currently serving as Project Admin, successfully merging 50+ quality PullRequests, adding new features.
- Code Peak *Top 50 Contributor* Dec'23 - Jan'24
- Recognized as a Top Performer globally, securing the 23th Rank contributing to over 5 outstanding projects.
- Girlsript Summer of Code *Rank: 6th overall among 13000+ applicants.* May'23 - Aug'23
- Contribute a lots of code in diverse sets of projects either related to ML/DL or Web Development Projects.
- Social Summer of Code *Rank: 1st overall among 5000+ applicants.* May'23 - Jul'23
- Recognized as a top most contributor and performer by demonstrating exceptional critical and analytical thinking skills.

EDUCATION

Dr. B R Ambedkar NIT Jalandhar
Bachelor of Technology

Dec 2021 - July 2025
GPA: 7.66/10

SKILLS

Languages:	C/C++, Python, MySQL, NoSQL
Tools:	Jupyter, Git, Bash, Docker, Linux, CI/CD, Kubernetes, Hadoop, ETL Pipelines, AWS, Streamlit, Flask, MongoDB, PowerBI
Frameworks/Libraries:	Tensorflow, Pytorch, Keras, Scikit-learn, NLTK, OpenCV, Pandas, Numpy, Matplotlib, XGBoost, YOLO, Recommendation System, Bootstrap, MaterialUI
Data Science:	Machine Learning, Deep Learning, NLP, Computer Vision, Statistical Analysis, Predictive Modelling, Time Series Analysis
Web Development:	React.js, Express.js, Node.js, Javascript
Soft Skills:	Communication, Analytical thinking, Problem Solving, Ethical Judgement

PROJECTS

Image De-Blurring Application *Python, Tensorflow, Open-CV, Streamlit*

- Fine tuned application, built on the dataset of Celeba pictures with auto-encoder and de-blur-CNN model and gives accuracy 89%.
- Crafted an intuitive interface using Streamlit, showcasing expertise in computer vision and CNN.

Face Attraction Detection Application *Python, Tensorflow, Open-CV, Flask, HTML, CSS, JS*

- Engineered the "Face Attraction Detection Application" leveraging CelebA dataset, delivering an impressive 80% accuracy.
- Crafted an intuitive interface with integration via Flask, showcasing expertise in computer vision and web development.

Cardiovascular Disease Risk Prediction Model *Python, Tensorflow, Flask, HTML, CSS, JS*

- Predicting CVD risk probability, achieving 91.91% accuracy through hyper-parameter tuning.
- Created a user-friendly interface with HTML, CSS, and JavaScript to interact with the model via Flask.

Online Payment Fraud Detection Model *Python, Scipy, Decision Tree Classifier, Flask, HTML, CSS, JS*

- Implemented a Decision Tree Classifier Model and achieving an accuracy of 99.97%.
- Integrated the model with a user-friendly website using Flask, HTML, CSS, and JavaScript.

Chanakya Niti *React, Vite, Node, JS, Bootstrap*

- Developed a website offering audio episodes and lifestyle thoughts from Chanakya Niti.
- Implemented a dark theme and ensured full responsiveness for optimal user experience.

Bingo Game *HTML, CSS, Bootstrap, JavaScript*

- Designed a gaming platform for 10 players showcasing my front-end skills.
- Developed entry, congratulation, draw pages with sound effects and background music.

HONORS AND AWARDS

- Solved 1000+ problems on *Leetcode, GFG, Codeforces* and *Hackerrank*.
- 2 star at *CodeChef*.
- 1522 - Highest Rating on *LeetCode*.
- Mastering Data Structures and Algorithms in C++, Python & JS - [[Udemy](#)]
- Machine Learning Specialization - [[Coursera](#)]
- Deep Learning Specialization - [[Coursera](#)]
- NLP & GAN-AI Models - [ongoing]