# Avdhesh Varshney

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A pre-final year student at Dr. B R Ambedkar National Institute of Technology, Jalandhar, with a passion for computer programming and a focus on data science. Experienced in data science projects and proficient in the tools required for the Senior Development Engineer role of a Data Scientist and Analyst. Eager to leverage skills and experience to contribute effectively to your team.

## Education

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| Dr. B R Ambedkar NIT Jalandhar | Dec 2021 - July 2025 |
| Bachelor of Technology (Textile Technology) | GPA: 7.66/10 |

## Skills

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|---|---|
| Languages: | C/C++, Python, HTML, CSS, JavaScript |
| Tools: | Git/GitHub, Canva, Webpack, VS Code, MS Excel, MySQL, PowerBI, ChatGPT |
| Frameworks/Libraries: | React, Node.js, Express Js, MongoDB, Redux, Material-UI, Tensorflow, Pytorch, Flask, Streamlit |
| Data Science: | Numpy, Pandas, Matplotlib, ML, DL, NLP, GAN-AI, Problem solving |
| Soft skills: | Communication, Professional in time management & Teamwork |

## Projects

**Cardiovascular Diesease Risk Prediction Model**   Python, Tensorflow, Flask, HTML, CSS, JS   Feb'24

- Developed a Deep Neural Network (DNN) in Python using Tensorflow.
- 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 ML Model**   Python, Scipy, Decision Tree Classifier, Flask, HTML, CSS, JS   Jan'24

- Implemented a Decision Tree Classifier Model in Python with Scipy for fraud prediction.
- Achieving an accuracy of 99.97% through hyper-parameter tuning.
- Integrated the model with a user-friendly website using Flask, HTML, CSS, and JavaScript.

**Chanakya Niti**   React, Vite, Node, JS, Bootstrap   Jan'24

- Developed a website offering audio episodes and lifestyle thoughts from Chanakya Niti.
- Implemented a dark theme and ensured full responsiveness for optimal user experience.
- Incorporated a feature to access PDF books related to Chanakya's economic philosophy showcasing my back-end skills.

**Bingo Game**   HTML, CSS, Bootstrap, JavaScript   May'23

- Designed a gaming platform for 10 players showcasing my front-end skills.
- Developed entry, congratulation, draw pages with sound effects and background music.
- Implemented smooth transitions and functionality for a user friendly website.

## Experience

**Mentor**   JGEC Winter of Code   Jan'24 - Feb'24

- Administered WebMasterLog project.
- Mentored many new bright minds in open-source world.
- Facilitated engagement in ML, DL, and Web D technologies.

**GSSOC'23 Contributor**   Rank: 6th overall among 13000+ applicants.   May'23 - Aug'23

- Identified and resolved issues, enhancing website performance for GameZone and GameSphere by 20%.
- Utilized HTML, CSS, and JS to ensure a seamless user experience on GitHub Automation Scripts Website.

**SSOC 2.0 Contributor**   Rank: 1st overall among 5000+ applicants.   May'23 - July'23

- Enhanced Future.WebNet project documentation for 20-25% engagement increased.
- Improved Frontend-Projects website functionality by adding contributors section, many creative projects.

## HONORS AND AWARDS

- Solved 800+ problems on Leetcode, GFG, Codeforces and Hackerrank.
- 2 star at CodeChef.
- 1522 - Highest Rating on LeetCode.