

TANISHQ MIGLANI

Hisar, Haryana | P: +91 9996812462 | tanishqmiglani200@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Technology, Computer Science **2022 - Present**
VIT Bhopal University - 7.63

12th Standard **2020 – 2021**
U.S.M Public School, Delhi - 70.8%

10th Standard **2018 – 2019**
St. Mary's School, Hisar - 82.4%

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, HTML5, CSS3, JavaScript
- **Frameworks & Libraries:** React.js, Flask, Express.js, Bootstrap, Node.js, Tailwind CSS
- **Machine Learning:** Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn, Pickle
- **Database Management:** Mongo DB
- **Developer Tools:** VS Code, Google Colab, GitHub

PROJECTS

- **Heart Disease Prediction System** *Jan 2025 – May 2025*
 - ❖ Implemented **mobile-responsive interface** using **HTML/CSS/JavaScript** integrated with **Flask API**, enabling **real-time cardiovascular risk assessment** through trained **machine learning models**.
 - ❖ Constructed **robust stacked ensemble classifier (Random Forest + KNN)** using Hyperband hyperparameter tuning, achieving **97.67% cross-validation accuracy** and **99.40% test accuracy**.
 - ❖ Executed comprehensive **data preprocessing** on **Cleveland Heart Disease dataset** with **feature scaling and normalization**, outperforming traditional methods like **SVM (93.60%)** and **Logistic Regression (86.40%)**
- **Donate Red - Blood Donation Website** *Jan 2024 – May 2024*
 - ❖ Architected comprehensive blood donation platform using **MERN stack** with **JWT authentication** and **role-based access control**, optimizing **API response times** to **200-250ms** for **500+ concurrent users**.
 - ❖ Developed **intelligent donor eligibility system** with **automated health criteria validation** and real-time donor-recipient matching algorithms, **reducing manual verification overhead by 60%**.
 - ❖ Deployed **production-ready application** on **Render.com** with **responsive UI integration**, facilitating successful blood donation connections and ensuring **100% compliance** with medical donation standards.

ACHIEVEMENTS

- **100 Days of Code Challenge** – Completed intensive coding challenge, consistently solving daily problems to strengthen algorithmic thinking and programming consistency.
- **DSA Milestone – 100+ Problems Solved** – Solved over 100 problems across various platforms, improving proficiency in arrays, trees, graphs, and key data structures

ADDITIONAL

- **Languages:** English, Hindi
- **Certifications:**
 - HTML, CSS and JavaScript for Web Developers (Johns Hopkins University)
 - Fundamentals of AI and ML (Vityarathi)
 - Python essentials (Vityarathi)
 - DevOps, Agile & Design Thinking (IBM)