

# TANISHQ MIGLANI

Hisar, Haryana | P: +91 9996812462 |tanishqmiglani2oo@gmail.com| [LinkedIn](#) | [GitHub](#)

## EDUCATION

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### VIT Bhopal University

*Bachelor of Technology*

Major in Computer Science and Engineering

CGPA: **7.63**

*Bhopal, MP*

### 12<sup>th</sup> Standard

U.S.M Public School

Cumulative Percentage: **70.8%**

*Delhi*

*July 2021*

### 10<sup>th</sup> Standard

St. Mary's School

Cumulative Percentage: **82.4%**

*Hisar, Haryana*

*July 2019*

## PROJECTS

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### • Donate Red - Blood Donation Website

- ❖ Developed a full-stack blood donation platform to connect donors and recipients, improving accessibility to life-saving donations.
- ❖ Designed and implemented a responsive user interface using HTML, CSS, and JavaScript, ensuring a seamless user experience.
- ❖ Built a scalable backend using Node.js and Express.js, enabling secure user authentication, donor registration, and blood request management.
- ❖ Integrated a donor eligibility survey to categorize users based on health criteria, ensuring only eligible donors can register.
- ❖ Utilized MongoDB for efficient data storage and retrieval, ensuring seamless donor-recipient matching.
- ❖ Deployed the website on Render.com

### • Heart Disease Prediction System

- ❖ Tech Stack: Backend - Python (Flask), Machine Learning - Scikit-Learn, Frontend - HTML, CSS, Bootstrap, with the model stored using Pickle.
- ❖ Data Processing: Utilized the Heart Disease Cleveland dataset, performed data cleaning, handled missing values, and applied feature scaling with StandardScaler.
- ❖ Model Selection: Trained and assessed multiple models (Random Forest, Gradient Boosting, SVM, Logistic Regression, KNN, Decision Tree) using cross-validation to determine the most effective model.
- ❖ Performance Evaluation: Analyzed accuracy, confusion matrix, and classification report, with result visualization using Matplotlib & Seaborn.
- ❖ Deployment: Integrated the trained model with Flask API, designed a user-friendly frontend using Bootstrap, and saved the optimized model for real-time predictions.

## TECHNICAL SKILLS

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- **Programming Languages:** Python, JAVA, HTML/CSS, JavaScript
- **Database Management:** Mongo DB
- **Developer Tools:** VS Code, Google Colab
- Data Structure and Algorithm (DSA)

## ACHIEVEMENTS

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- Completed 100 Days of Code

- Solved 100+ problems in DSA

## ADDITIONAL

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- **Languages:** English, Hindi
- **Certifications:**
  - HTML, CSS and Javascript for Web Developers
  - Fundamentals of AI and ML (Vityarthi)
  - Python essentials (Vityarthi)