

VANSHIKA MAHAJAN

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EDUCATION

Bachelor of Technology in Computer Engineering

Thapar Institute of Engineering and Technology, Patiala

Sep 2021 - June 2025

CGPA : 8.84

SENIOR SECONDARY SCHOOL

Dewan Public School, Meerut

Apr 2019 - Mar 2020

CGPA : 9.4

HIGHER SECONDARY SCHOOL

Dewan Public School, Meerut

Apr 2017 - Mar 2018

CGPA : 9.6

EXPERIENCE

Information System Intern

June 2024 – July 2024

Bharat Electronics Limited (BEL)

Ghaziabad

- Assist in the development and implementation of a leave management system to streamline employee leave requests, approvals, and tracking.
- Contributed to on-time project deliveries by actively participating in the development process and enhancing team through effective collaboration and adherence to best practices.

PROJECTS

[LINK](#)

STYLE VERSE | M.E.R.N Stack

- Designed and developed a fully functional e-commerce website for clothing using the **MERN stack**, ensuring seamless integration of **front-end and back-end** components.
- Implemented user-centric **UI/UX optimizations** to enhance the overall browsing and shopping experience, including **intuitive navigation, responsive design, and interactive features**.

ORGAN DONATION | MySQL

- Designed and implemented a robust SQL database using **PL/SQL** for an organ transplantation network, **optimizing data management** and security.
- Achieved an **83% reduction** in matching time in preliminary tests, potentially expediting life-saving organ transplantations.

FACE MASK DETECTION | Python, YOLO V7, Pandas, Numpy, Matplotlib

- Developed a face mask detection system using **YOLOv7**.
- Trained the model on a diverse dataset of images and converted annotations **to YOLO format for efficient detection**.
- Achieved **high accuracy in real-time detection** of face masks, contributing to public health initiatives.

CERTIFICATION

[LINK](#)

- Software Engineering Job Simulation of Goldman Sachs via Forage
- Academy Machine Learning Foundations via AWS

SKILL SET

- | | |
|-------------------------------------|--|
| • Programming languages | C, C++, Python |
| • Database management system | SQL, MONGODB |
| • Web development | HTML, CSS, JavaScript, React, MONGODB |
| • Soft skills | Communication, Analytical, Problem solving, Teamwork |
| • Languages | English and Hindi Full professional proficiency |