

Varun

Bachelor of Technology

Mechanical Engineering

Motilal Nehru National Institute of Technology Allahabad, Prayagraj

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EDUCATION

- **Motilal Nehru National Institute of Technology Allahabad, Prayagraj** 2025
B.Tech Mechanical Engineering CGPA: 7.26
- **Golden Public School, Uklana Mandi, Hissar** 2019
Central Board of Secondary Education, Haryana (XII) Percentage: 77.6%
- **Golden Public School, Uklana Mandi, Hissar** 2017
Central Board of Secondary Education, Haryana (X) Percentage: 88.35%

PROJECTS

- **Skin Cancer Detection** January 2024 - May 2024
CNN Model for Skin Cancer Detection
 - Developed a CNN model for skin cancer detection, utilizing VGG16, TensorFlow/Keras, improving diagnostic accuracy.
 - Handled data preprocessing, including image resizing, hair removal, and class balancing techniques. Optimized model with hyperparameter tuning and dropout layers, evaluated using accuracy and confusion matrices.
 - Tools: Python, TensorFlow, Keras, OpenCV, scikit-learn.
- **Your Dream Home | 🌐 Source Code** September 2024
A comprehensive real estate platform for property browsing and management.
 - Tools & technologies used: HTML, CSS, TailwindCSS, JavaScript, React, Redux, Node.js, MongoDB, Express.js, Socket.IO
 - Developed a full-featured platform where users can search for properties based on specific criteria.
 - Designed features allowing users to manage property listings, update details, and track interest.
 - Integrated real-time chat for direct communication between buyers and sellers.
 - Ensured responsive design across devices for optimal user experience.
 - Integrated Google and LinkedIn login via Passport OAuth for secure and easy user authentication

SKILLS

Languages C++, python, SQL

Developer Tools: Chrome Dev Tools, Visual Studio Code, Git & Github

Frameworks : Express.js, Node.js, Bootstrap, TailwindCSS, JavaScript, React, Redux

Cloud/Databases: MongoDB, MySQL

Object Oriented Programming: Python, C++

Other: REST APIs, Socket.IO, JWT

Soft Skills: Problem Solving, Creativity, Leadership

Areas of Interest: Data Structure and Algorithms, Web Development, Data Base Management System, Operating System

POSITIONS OF RESPONSIBILITY

- **Captain** Volleyball club, MNNIT

ACHIEVEMENTS

- **Participate in Code of the Day**
October, 2022 Got 61 rank
- **Played Inter NIT**
January, 2023 We went to NIT surathkal and were in Semi-finals in Kabaddi event
- **State Level**
August, 2018 Ranked first in District and third in State (Haryana) in Wrestling Championship
- **NSTSE Rank Holder**
I was the Chandigarh zone topper in NSTSE exam held in 2019
- **DRDO Project Event**
We developed a mini eco-system in event organized by DRDO science project event and ranked second