Vaibhav Kapoor

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Bachelor of Engineering
Thapar Institute of Engineering and Technology, Patiala

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EDUCATION

•**Bachelor of Engineering in Electronics and Communication Engineering**   *2021-25*
Thapar Institute of Engineering and Technology, Patiala   CGPA: 7.66

PERSONAL PROJECTS

•**Line Follower Buggy Project**   *Jul-Dec 2022*
Arduino based line follower bot

- Used Infrared sensors for modulation of signals to enable the robot to move on predefined path
- Created various circuits for transmitting and receiving signal at the gantry
- Technology Used: Eagle, Arduino UNO.

•**Roman Precision Mangonel**   *Jan-Jun 2022*
A precision mangonel designed to achieve maximum projectile.

- Analyzed and computed various projectile data using Microsoft Excel
- Used Arduino and various sensors for computing the length of the projectile and recording it for precision
- Technology Used: Excel, Arduino.

EXPERIENCE

•**Thapar Summer School in Artificial Intelligence**   *May - July 2023*
TIET, Patiala   Offline
- Gained an in-depth understanding of various Machine Learning Concepts and models.
- Proficient in designing and deploying responsive websites using Django and Microsoft Azure.
- Fundamental knowledge of Search Engine Optimization along with GitHub and Git.
- Hands-on experience on various Python libraries for Machine Learning like Pycaret, Tensorflow and Sci-kit learn.

•**Summer ELC Internship**   *May - Jul 2023*
CSED, TIET Patiala   Offline
- Gained knowledge about the operations in communication using LoRa Module.
- Created a Smart Dustbin Model for optimized collection of Garbage in Municipality.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Python, HTML, CSS, JavaScript, MATLAB, SQL, ARM Assembly Language
Web Dev Tools: React, Express.Js, Node.Js, MongoDB, Git, Github
Relevant Coursework: Digital System Design, Analog Electronics, Embedded Systems, Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Network Virtualization, Database Management Systems
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•**Event Management Head** Global Leadership Summit - SAIC, TIET   *April 2023*

- Managed a footfall of 1000 attendees spread across 3 events.

•**Event Coordinator** Thapar Alumni Meet San Francisco - SAIC, TIET   *Dec 2022*

- Coordinated and organized an Alumni meet of 200 participants for Thapar Alumnis in San Francisco Bay Area.

•**Vice President** SAIC, TIET   *Oct 2023*

- Managed and taught the team regarding different approaches for Marketing.
- Successfully dealt with various companies for monetary sponsorships.