Vaishali Garg

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# Technical Skills

**Languages**: C/C++, JavaScript, HTML, CSS, Python,

**Frameworks**:React.js, Node.js, Express.js, Redux, Scikit-learn, Jupyter, Canva

**Tools**: Microsoft Office Suite(Excel, PowerPoint, Word), Git, VS Code, Visual Studio

**Systems & Databases** : Operating Systems(Linux), Database Management Systems(MySQL), MongoDB

**Cloud Services** : AWS (EC2, S3, RDS, DynamoDB, CloudFront, SNS, SQS, Lambda)

**Core Concepts** : Data Structures,Artificial Intelligence, Machine Learning, Algorithms, Object-Oriented Design, RESTful APIs, Operating Systems (Linux), TCP/IP, Distributed Systems, Software Engineering Principles

# Position of Responsibility

**Entrepreneurship Development Cell** August 2023 – January 2024

*Thapar Institute of Engineering and Technology*

∗ Member of the Technical team at EDC

∗ Conducted tech workshops on fronted web development

∗ Worked as the publicity coordinator for an event (Strategy Sprint)

# Projects

**Walmart Sales Forecasting** *| Python, Data Science, Machine Learning* November 2024

∗ Developed a sales forecasting model for Walmart using Python, applying multiple regression techniques including

linear, polynomial, ridge, lasso, and decision tree regression, along with data preprocessing, feature engineering, and visualization using Matplotlib to derive actionable insights.

**Myntra HackerRamp: VibeCheck** *| frontend, Node Js, ExpressjS, MongoDB* July 2024 – August 2024

∗ Developed an engaging website that offers personalized fashion advice through anonymous chats and enables users

to create and share their wardrobes. The platform allows for community interaction through reviews, ratings, and likes, fostering a vibrant and supportive fashion community.

**E-com website** *| frontend, React.js, Node.js, ExpressjS, MongoDB* April 2024

∗ Mastered frontend development and backend technologies including Node.js and Express.js through Coding Ninjas

course; built and deployed 5+ full-stack web applications, enhancing coding efficiency by 40%

**Buggy car (RoboCar)** *| Zig-Bee communication, Arduino programming* January 2024 – April 2024

∗ Made an autonomous vehicle using concepts of circuit design, transmitter, receiver, Infra-Red and Ultrasonic

sensors, and wireless Zig-Bee communication and also includes the Arduino programming with a team of 5 at Thapar University

# Achievements

∗ Emerged as a **finalist** in Walmart CodeHers 2025 – Secured a position in the TOP 250 out of 1,14,000+ participants in the national-level coding competition

∗ Shortlisted for Myntra-HackerRamp WeforShe( Pre-Finale ) 2024 among TOP 70 from initial pool of 30,000

teams

∗ Certified by Coding Ninjas for Data Structures and Algorithms in C++

∗ Certified by Coding Ninjas in Full Stack Web Development

∗ Shortlisted for Hack4Change 2024 -Round 2

∗ Got shortlisted for Google Girl Hackathon 2024 (Stage 1) and attended workshops (learning cohorts) on Artificial Intelligence

# Education

**Thapar Institute of Engineering and Technology** Patiala, India

*B.E. in Electronics and Computer Engineering- SGPA- 8.84 CGPA-7.86 2022 – Present*

**Bal Niketan Model Sr. Sec School** Chandigarh, India

*12th - CBSE* *2022*

**Ryan International School** Chandigarh, India

*10th - CBSE* *2020*