

Ansh Manchanda

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Education

Thapar Institute of Engineering and Technology, BTech
in Electrical and Computer Engineering

Sept 2023 – May 2027

- CGPA: 9.00
- **Coursework:** Computer Architecture, Algorithms, Statistics

Projects/Experience

5G RAN Intern – Radisys India, Gurgaon

May 2025 – June 2025

- Contributed to the development and testing of 5G RAN protocols and modules.
- Assisted in the integration and debugging of Distributed Unit (DU) and Centralized Unit (CU) components.
- Collaborated with telecom engineers to optimize overall network performance and reliability.

Patent: IoT System for Wearable Band for Real-Time Elderly Health Monitoring and Alerts,

Sept 2024 - Nov 2024

- Application No. 202511013647 A | Published: 28 Feb 2025
- Co-inventor in the development of an IoT-based wearable band to monitor vital signs like heart rate, oxygen saturation, stress, and falls in elderly individuals.
- Designed system-on-chip integration for real-time alerting and emergency communication to caregivers via panic alerts.
- Filed with the Indian Patent Office; 9 claims across 19 pages.

Project Atrangi,

Oct 2023 – June 2025

An Initiative by Enactus Thapar to revolutionize textile waste through innovative recycling and upcycling.

- Established a robust supply chain from waste collection to final product creation.
- Directed app creation enabling users to schedule textile waste pickups, coordinating with E-rickshaw drivers
- Generated revenue worth INR 43K within 3 weeks of the pilot phase

Positions of Responsibility

RnD Head- Enactus Thapar

A global organization dedicated to solving social and environmental problems through entrepreneurship.

- Conducted comprehensive research on project feasibility and execution.
- Led the project from ideation to final product, consistently involved throughout development and represented Enactus Thapar at the Enactus National Exposition

Event Coordinator - Startup Foundry

A startup accelerator competition aimed to bring together startups and venture capitalists on one platform.

- Onboarded 10+ leading VC firms as judges and over 580 participants nationwide.
- Worked with a team of 50 people, in multiple departments including RnD, PR, Media, Outreach, and Finance.

Skills

Languages: C++, C, Python, R

Technologies: Unity, Arduino, MS Office

Languages Spoken English, Hindi, French - DELF A2 Certification