Manogya Chordia

Bachelor and Master of Technology
Chemical Engineering
Indian Institute of Technology, Delhi

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. and M.Tech, Chemical	Indian Institute of Technology, Delhi	7.83	May 2024
Senior Secondary	Puna International School	92.4	May 2023
Secondary	Atul Vidyalaya	97.17	July 2021

Achievements

- Achieved All India Rank of 3634 among 190,000 candidates in Jee Advanced
- Ranked in top 1% of the country in Jee Mains with over 1.1 Million Candidates
- Secured the top position in Physics Laboratory course, outperforming 1200+ first-year undergraduate peers.

Experience

- **Enactus IIT Delhi** *March 2024 - Jan 2025*
  Project Associate
  - Identify key issues and develop sustainable, student-run business models
  - Execute business ideas and potentially generate a sustainable revenue streams
  - Facilitate ideation sessions, validate business problems, and establish communication networks
- **Venture Studio Cohort 2.0** *July 2024 - Dec 2024*
  Participant
  - Tailored to equip students with essential entrepreneurial skills and mindset through hands-on experience.
  - Assisted by Industry-Experts and alumni who made it big in their Entrepreneurial journeys.
  - Various topics ranging from MVP creation, Finance, Legal Frameworks, Market Dynamics, investor pitch and presentation.

Projects

- **Developed a prototype for an Autonomous Rain Water Irrigation System** *Sept 2023 - Nov 2023*
  Tools: Blender, Arduino, CO2 Laser Cutting and 3-D printing.
  - Developed a smart irrigation system prototype using rainwater and automation, optimizing water usage through soil moisture monitoring.
  - Integrated advanced sensors to enhance resource efficiency, showcasing expertise in sustainable agriculture and smart technology solutions.
  - Selected in Top 10 projects which were displayed in Annual Open House at IIT Delhi.
- **Built a Intelligent light control system** *April 2024*
  Tools: LDR, PIR, Transistors and Diodes
  - Conceptualized and developed an electronic circuit utilizing a Light Dependent Resistor (LDR) and a Passive Infrared (PIR) motion sensor.
  - Engineered the circuit to control a light (or LED) by dynamically responding to ambient light levels and detecting nearby motion, ensuring energy efficiency.
  - Demonstrated proficiency in sensor integration and automated control systems, enhancing operational functionality based on environmental conditions.

Skills

- **Programming Languages**: Python, C++,Java
- **Courses**: Material and Energy Balance(CLL111), Transport Phenomenon(CLL110), Numerical Methods in Chemical Engineering(CLL113), Chemistry of Interface(CML103), Linear Algebra(MTL101), Calculus(MTL100), Intro to Computer Science(COL100)
- **Soft Skills**: Teamwork, Communication, Problem Solving, Time Management

Positions of Responsibility

- **Project Associate,** Enactus, IIT Delhi