Aryan Mittal | Mechanical Engineer

A results-oriented Mechanical Engineering student at Netaji Subhash University of Technology with a proven ability to bridge the gap between technical and non-technical disciplines. Possessing a solid skill set in Python, data analysis, and project management, I am actively seeking an opportunity to apply my problem-solving skills and contribute to a dynamic team. I am adaptable and open to a wide range of roles where I can contribute to meaningful projects.

New Delhi, India

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Technical Skills

- **Programming Languages**: Python + MySQL, C++, Java, C, Bash Scripting

- **Data Science & Machine Learning:** scikit-learn, Matplotlib, Tableau, Excel, Regression Models, GenAI

- **Design & Prototyping:** AutoCAD, Figma, Canva, Fusion360

- **E-commerce:** Shopify Stores Development and Management

Education

Netaji Subhash University Of Technology (Formerally NSIT)

Bachelors of Technology (Btech) in Mechanical Engineering

Technical Experience

Enactus NSUT- Project Manager at Annotsav ▪ New Delhi, India ▪ Sep 24 – Present

- **Spearheaded the development and management of the Annotsav project,** a social initiative focused on smart irrigation IoT devices and a sustainable pottery marketplace.

- **Cultivated community partnerships** by collaborating with and upskilling individuals from a local community to become project partners, specifically in the painting and design of pottery.
- **Curated and managed the project's social media presence** and a Shopify e-commerce store, successfully **increasing sales by 50%**.
- Conducted ground-level fieldwork and R&D to refine the smart irrigation IoT device, ensuring its practical application and effectiveness.

180DC NSUT – Junior Consultant ▪ New Delhi, India ▪ Jul 2025 – Present

- Contributed to client acquisition efforts and market research for a solar technology startup.
- Developed a comprehensive Go-to-Market strategy that directly influenced the startup's business development plans.
- Collaborated with Zerodha to organize and host multiple events, showcasing strong partnership management and event organization skills.

TDR NSUT – Engine and Transmission member – New Delhi, India – July 2025 - Present:

- **Engine & Transmission Team Member, TDR NSUT:** Contributed to the design, research, and development of an All-Terrain Vehicle (ATV) from the ground up, with a specific focus on the engine and transmission systems.
- **Aided in R&D efforts** to enhance engine efficiency and overall vehicle performance.
- **Collaborated with an interdisciplinary team** to translate conceptual designs into a fully functional ATV prototype.

MacroThink Inc. - Co-Founder ▪ New Delhi, India ▪ Dec 2020 – Aug 2021

• **Co-founded a service-based company**, delivering a range of creative and digital solutions including social media management, website development, and graphic design.

• **Headed the social media department**, leading and managing a team of 5-6 people to deliver projects for clients across major Indian cities including Delhi, Mumbai, and Bangalore.

• **Managed end-to-end project deliverables**, ensuring client satisfaction and successful project completion through effective team coordination and creative execution.

TECHNICAL PROJECTS

AdPulse (In Development Stage)

- **Objective:** Developing a machine learning-driven tool to analyze ad data from multiple CSV files, providing users with actionable insights.
- **Functionality:** Will generate a comprehensive dashboard visualizing key metrics and performance indicators to help users identify successful ad campaigns and optimize ad spend.
- **Key Skills Applied:** Python, Data Science, Machine Learning, Data Visualization.

Waste to Fuel MarketPlace

- **Developed a Python-based marketplace** that provides real-time buying and selling rates for various types of fuels, including waste-derived fuels.
- **Integrated key data metrics**, such as calorific value, to provide a comprehensive and transparent platform for users to make informed decisions.
- **Designed a user-friendly interface** to display complex data in an accessible format, showcasing an understanding of both backend development and frontend user experience.

Jarvis smart Voice assisstant

- **Jarvis smart Voice assistant:** Developed a Python-based voice assistant utilizing features from Eleven Labs for natural language processing and voice controls.
- **Engineered a voice-responsive system** that accurately responds to user commands, showcasing skills in programming and API integration.

Awards & Certifications

- DiraCosmos Case Study Winner (₹50k Prize): Led a team in a case study on pulsars and quantum mechanics, successfully brainstorming and providing solutions to complex scientific questions.

- National Ideathon Finalist: Presented a "Waste to Fuel" business idea to the Chief Minister, being selected as one of the top 10 teams out of 652 and showcasing strong entrepreneurial and presentation skills.

- First Prize at Hurdle B-Plan Enact JDMC

- Envision '25 IIT Roorkee Finalist

- Deloitte Certificate for Data Analytics Job Simulation

- Top 5% in Science Department (12th Grade): Recognized for academic excellence in science.

Certifications

- Gen AI Certification, Udemy (Julian Melanson)

- Stock Investing and Trading Certification, Udemy (Yash Utmani)

- ML and Data Science Course, Finlatics

INTERESTS & ACTIVITIES

Entrepreneurship & Business Strategy▪ Data Analysis & Machine Learning▪ Robotics & Automation▪ Stock Investing & Financial Markets ▪ Programming & Algorithmic Tasks ▪ Community Building