

Education

BTech, Mechanical engineering , IIT Goa	CGPA : 6.83/10	2021 – 2025
Class 12, RBSE, Matrix high school, Rajasthan	Aggregate: 96.80 %	2020 – 2021
Class 10, RBSE, Matrix high school, Rajasthan	Aggregate: 91.50 %	2018 – 2019

Experience

Mechanical Research Intern at Karban Envirotech Pvt Ltd

(Jan – May 2025)

Product Development, Product Testing

- Worked on CAD design, rapid prototyping, prototype testing and evaluation, and manufacturing processes for industrial product development
- Led the design of a heater unit for a bladeless ceiling fan — including feasibility analysis, prototyping, testing, and integration planning
- Assisted in the design and experimental validation of an air conditioning testing setup to support the initial phase of the AC project
- Collaborated with cross-functional teams to optimize C++ control code for PCB-based system, enabling smooth hardware-software integration

Projects

Advanced Tableau Dashboards for Sales & Customer Analytics | GitHub

Tableau, Data Visualization, Business Insights

- Designed and implemented executive-ready Tableau dashboards with dynamic filters, navigation buttons, and year-over-year KPI tracking, enabling sales leaders to monitor performance, product trends, and customer contribution.
- Translated complex business requirements into interactive dashboards and actionable insights, strengthening data-driven decision-making on sales strategy and customer engagement.
- Extracted key business insights, and provided recommendations to optimize sales strategies and drive revenue growth.

Insights on Global Layoffs (2020–2025) via SQL Analytics | GitHub

SQL, Data analysis

- Developed an end-to-end SQL workflow for data ingestion, cleaning, transformation, and advanced querying to enable comprehensive analysis
- Standardized inconsistent fields, handled missing data, removed duplicates, and structured raw datasets into analysis-ready formats
- Conducted exploratory analysis to assess data quality and identify patterns across industries, geographies, funding stages, and company-specific layoff trends
- Extracted actionable insights from cleaned data and visualized key trends to support data-driven business decision-making

Understanding Material Removal Mechanics Through FEM Simulation | Prof. Priyabatra Sahoo

(Aug – Dec 2024)

FEM simulation, Research

- Conducted FEM simulations to study about the impact of nano-scratching process on a metallic surface
- Investigated stress-strain behavior and plastic deformation to understand material response under cutting conditions
- Analyzed simulation outcomes to derive meaningful research insights in the field of nano-scratching and presented findings to a panel of Mechanical Engineering professors for academic evaluation.

Skills

Technical Skills	SQL, Tableau, Excel, Microsoft Power Platform, Microsoft Visio
Business Analysis	BPMN, ERDs, Service Blueprinting, Requirements Documentation
Project Management	Stakeholder Management, Project Planning, Risk Management, SDLC methodologies, Agile Frameworks
Soft Skills	Communication, Leadership, Analytical Thinking, Problem Solving

Positions of Responsibility

Overall Coordinator, Annual Sports Festival | Chakravayuh 2023 | IIT Goa

- Led a 13-member team to organize Chakravayuh, IIT Goa's 7-day sports festival, engaging 1100+ participants across 10 events
- Spearheaded end-to-end planning and on-ground execution, delivering all events on schedule under tight deadlines
- Achieved a 100% increase in overall participation over the previous edition through
- Introduced a structured volunteer framework to enhance coordination across departments and ensure seamless event operations

Indoor Sports Secretary | IIT Goa

(Aug 2022 – July 2023)

- Led all indoor-sports operations on campus, heading a team of 6 sports representatives and organizing 7+ major events (500+ participants)
- Devised participation growth strategies, doubling female turnout and increasing overall sports-fest attendance by 70%, while implementing a new sport-wise representative model to streamline execution.
- Founded and led the campus e-sports club, fostering sustained engagement and hosting e-sports tournaments with 200+ participants
- Negotiated a 50% increase in the annual sports budget, enabling procurement of new equipment and hiring of additional coaches

Certifications

Microsoft Business Analyst Professional Certificate	(May – July 2025, Coursera Microsoft)
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Extracurriculars & Hobbies

Sports	<ul style="list-style-type: none">Captain of college Badminton teamGold medalist in 4x100m relay
Miscellaneous	<ul style="list-style-type: none">Guided four students on Nano-Scratching FEM Simulation projectHobbies: Sports, Travelling, Learning