

# Ankush Das

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## Core Competencies

- Data Analytics
- Mechanical Product Design
- SQL
- Project Management
- Project Planning
- Python
- Bill of Material
- Finite Element Analysis
- APQP
- Risk management
- Regulatory compliance
- NX-11
- Process optimization
- Quality control research
- WBS
- CATIA-V5
- Solidworks
- Jira
- ENOVIA-PLM
- Microsoft 365
- KPI
- M.S. Project
- Tableau
- Smartsheet
- M.S. Teams
- Gantt Chart
- Jira
- ASANA
- Zoho
- Budgeting
- Computer-Aided Design and Manufacturing
- Geometric dimension and tolerance
- Project performance tracking and reporting

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## Professional Experience

### **Sandhar Technologies Pvt. Ltd.**

11/2021 – 07/2022

#### Mechanical Design Engineer, Gurgaon, India

- Executed the design process for Fuel level gauge and rear-view mirrors, producing over 50 intricate CAD models.
- Conceptualized geometric dimension and tolerance (G, D&T), structured bill of materials, and enhanced design file retrieval in product lifecycle management, resulting in a {20%} decrease in design time.
- Drafted and implemented over 100+ Engineering Change Orders and achieved 100% compliance with APQP Standards.

### **Himenviro-Intensiv Filter**

10/2021 – 11/2021

#### Project Management Intern, Noida, India

- Launched, planned, and documented two industrial filter projects and improved project documentation efficiency by 12%.
- Orchestrated between design and production teams to ensure project completion and adherence to quality standards.
- Reduced project planning time by 8% using Gantt charts for timeline visualization.

### **A.G. Group**

04/2021– 09/2021

#### Design and Development Intern, New Delhi, India

- Developed re-engineering projects, designing steering wheels for light-utility vehicles, with an average project value of \$50,000.
- Conceptualized CATIA-V5 and Ansys for designing and simulating steering wheel parts according to customer requirements and achieved a 9% improvement in the steering wheel performance.

### **Mann and Hummels**

08/2018 – 11/2018

#### Design and Production Technology Intern, Bengaluru, India

- Designed air filters and cam covers and decreased leakage on each product by 0.7% and 1.2%, respectively.
- Conducted test simulations for automotive filters, which reduced bending stress by 2%.

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## Education

### **Stevens Institute of Technology, Hoboken**

08/2022 – 01/2024

Master of Engineering Management New Jersey, USA; GPA: 3.53 / 4.0

### **R V College of Engineering, Mysore Road**

07/2014 – 12/2020

Bachelor of Engineering in Mechanical Engineering Bengaluru, India; CGPA: 07 / 10

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## Projects

### **OptiGym: Occupancy Forecasting at Stevens Institute of Technology's Fitness Facilities.**

10/2022 - 12/2022

- Employed advanced statistical methods and simulation techniques to optimize service capacity, crucial for enhancing customer experience.

### **RoboDetect-Sort: Fault Detection and Automated Sorting System Using Robotic Arm.**

01/2020 - 07/2020

- Directed a skilled team of four in engineering a precision robotic arm, specializing in removing objects with dimensional discrepancies from a specialized mini conveyor system.

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## Certifications

- [SQL Essential Training](#)
- [Career Essentials in Data Analysis](#)
- [Google Project Management](#)
- [Asana Essential](#)
- [Major Engineering Project](#)
- [Project Management: WBS](#)
- [CATIA V5 R20: Udemy Academy](#)