

ABHINA ANIL

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EDUCATION

BTech Mechanical Engineering (Minor in Computer Science) | TKM College of Engineering | CGPA: **8.69/10** Nov 2022 – Present
Relevant Coursework: Management for Engineers, Product Design and Development, Sustainable Engineering, Design Engineering, Industrial Economics and Foreign Trade, Industrial and Systems Engineering.

INTERNSHIP EXPERIENCES

Trainee and Intern | Antaragni'24 | IIT Kanpur Nov 2024 – Dec 2024

- Conducted an independent research project on *Materials for Radiation and Thermal Protection in Space and High-Altitude Aviation*, focusing on thermal conductivity, structural resilience, and aerospace applications

Engineering Intern | Cochin Port Authority | Cochin, IND Sept 2024 – Oct 2024

- Shadowed operations in port logistics, cargo handling equipment, and vehicle maintenance.
- Documented maintenance workflows and learned mechanical systems integration in large-scale maritime operations

Intern | Kerala Electrical & Allied Engineering Co. Ltd. (KEL) | Kollam, IND Aug 2024 – Sept 2024

- Gained practical exposure to industrial electrical standards and quality assurance processes
- Prepared technical documentation and assisted in quality checks for alternators, transformers, and power systems.

ADDITIONAL INFORMATION

Software and Tools: MATLAB, SolidWorks, ANSYS, AutoCAD, Microsoft Office Suite (Excel, PowerPoint, Word)
Programming: Python, C
Certifications: Aircraft Stability and Control (NPTEL), Sustainable Energy Technology (NPTEL)
Languages: English (Fluent), Hindi (Intermediate), Malayalam (Native), Sanskrit (Elementary)
Competitions: Participated in HULT Prize 2024 (Pitched for Algae-based biofuel startup), Smart India Hackathon 2023 (Pitched for smart street lights initiative), HESTIA Mechanical Exhibition (Built differential model)

LEADERSHIP POSITIONS & EXTRACURRICULARS

Junior MBA | Clever Harvey | Startup and Business Strategy
Developed and pitched a startup idea for an e-commerce platform; explored user behavior, business models, and GTM strategy; completed intensive entrepreneurship, marketing, and finance modules, as part of a nationally selected cohort.

Program Coordinator | Society of Automotive Engineers (SAE) | TKM College of Engineering
Responsible for planning and organizing technical programs, collegiate design events, and workshops; contributes to developing annual activity roadmaps, coordinating with teams for seamless event execution, and member participation.

Team Member | Roll Cage Design | BAJA SAE
Collaborating on the design and analysis of a roll cage for an ATV using CAD and FEA tools. Focused on structural integrity, safety standards, and weight optimization.

Chief Financial Officer | Innovation and Entrepreneurship Development Cell | TKM College of Engineering
Led fundraising initiatives and budget planning, securing and allocating resources for events, workshops, and startup incubations. Collaborated with cross-functional teams to ensure efficient financial oversight of club operations and partnerships.

Documentation Head | Eureka – Ideation Club, Society of Automotive Engineers | TKM College of Engineering
Managed and streamlined the club's internal documentation, project archives, and brainstorming logs for ideation challenges. Supported event planning through detailed documentation and reporting, enhancing team continuity and project transparency.

Member | Global Shapers Community | World Economic Forum Initiative
Collaborated on community-driven initiatives in sustainability, youth leadership, and regional impact. Contributed to strategic planning and event coordination with a network of social innovators.

Program Coordinator | Civil Service Aspirants' Club | TKM College of Engineering
Organized and executed training sessions, quizzes, and seminars tailored for aspiring civil servants. Facilitated collaboration with guest speakers and alumni to enrich the career prep ecosystem for student members.

Class Representative | TKM College of Engineering
Elected as Class Representative for three consecutive academic years, demonstrating consistent peer trust and leadership. Acted as the liaison between students and faculty for educational and administrative queries, coordinating schedules, and facilitating transparent communication.