Curriculum Vitae

Arjuna P

E-mail: Arjunap2401@gmail.com
Ph No: 9743063119

Objective

Motivated Fourth-year engineering student with a foundation in Mechanical Engineering principles. Seeking an opportunity to apply my technical skills and contribute to real-world projects while gaining hands-on experience in the industry. Seeking an internship opportunity between Jan-June 2026 (6 Months).

Education

[B.M.S COLLEGE OF ENGINEERING] – [Bangalore, Karnataka]
Bachelor of Science in Mechanical Engineering (Expected Graduation: [August - 2026])
GPA: 6/10
[Jnana Sweekar PU College] – [Bangalore, Karnataka]
PUC State board (Year Of Passing: [2022])
Percentage: 75%
[Delhi Public School, south] – [Bangalore, Karnataka]
CBSC-10th (Year Of Passing: [2020])
Percentage: 78%

Skills

Technical Skills: SolidEdge, Ansys (Mechanical APDL). AutoCAD, Catia, SolidWorks (Undergoing Certification)
Soft Skills: Communication, Problem-Solving, Adaptability, Attention to Detail
Languages: English, Kannada

Projects

Final Year Project – Comparative analysis of jute fiber based hybrid natural fiber composites – [Ongoiong]

Internship - Development and Experimental Investigation of Bamboo Fiber-Based Polymer Composites – [Sept 2024 – Oct 2024]

∗ Fabricated bamboo fiber-reinforced polymer composites using the hand lay-up method under lab supervision.
∗ Conducted tensile, flexural, and impact testing to determine mechanical performance.
∗ Analyzed results and compared with conventional materials to evaluate strength and sustainability.
∗ Gained exposure to composite fabrication, material testing, and performance assessment techniques.

Designed and developed a Line Follower Robot – [March 2024]

∗ Created a line follower robot that autonomously follows a designated path using sensors and motor controls.
∗ Designed the robot's hardware and tested the system to ensure accurate line tracking.
∗ Integrated sensors and motors to achieve precise line-following functionality.
∗ Utilized Arduino for programming and employed SolidWorks software for designing the robot's chassis.

CFD Analysis of a Passive Heat Sink Using Phase Change Materials (Ansys) – [Oct 2024 – Mar 2025]

∗ Performed Computational Fluid Dynamics (CFD) simulations to evaluate the thermal performance of a passive heat sink integrated with phase change materials (PCM)
∗ Optimized fin parameters to enhance heat dissipation and improve passive cooling efficiency for electronic applications.

∗ Analyzed temperature distribution and fluid flow patterns, generating insights to refine heat sink design for better thermal management.

Internship – Pegasus Aerospace Systems – [Aug 2023 – Sept 2023]

∗ Completed **Project Trainee** role on the **CUBESAT** project, understanding satellite systems and project workflows.
∗ Participated in discussions and activities within the internship division, contributing to project objectives.
∗ Learned about core aerospace functions and project management processes.
∗ Developed problem-solving, creative thinking, and analytical skills.
∗ Demonstrated curiosity, diligence, and a strong willingness to learn throughout the internship.