



Boobalan A

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BE, BE - Mechanical Engineering
Address : 5/9B, Sathasivam Street,
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Education

Sri Sivasubramaniya Nadar College of Engineering BE · BE - Mechanical Engineering Honours in Robotics	2026 CGPA - 8.531/10
Sivanthi Matriculation Higher Secondary school Class XII - State board of school examination, TamilNadu · PCM-Csc · Ramapuram, Chennai	2022 Percentage - 93%
Sivanthi Matriculation Higher Secondary School Class X - State board of school examination, TamilNadu · Ramapuram, Chennai	2022 Percentage - 96.6%

Experience

IIT Madras Report Summer Research Fellowship · Summer Intern · Full-Time Performed FSI simulation on a patient-specific aneurysm using hyperelastic modeling, with lumen extraction	May 2025 - Jul 2025 Chennai, Tamil Nadu, India
DAIKIN Implant Training · Full Time	Apr 2025 - Apr 2025 Sri City, Andhra Pradesh
NLC INDIA LIMITED Report Intern · intern · Internship	Dec 2024 - Jan 2025 Neyveli
NSIC Intern · Intern · Internship	Jul 2024 - Jul 2024 Guindy

Projects

Design and Fabrication of Axial Forced Draft Ice Air Cooler Report · PTC Creo, Ansys Fluent, 3D printing, GD & T and Testing, Product Design	Jan 2025 - Apr 2025 Heat Transfer
Accident Alert System for Bike · Arduinio uno, Arduinio IDE, GSM 800, GPS, MPU 6050 MSME	Industry 4.0
Fabrication of Nitonal wire reinforced polymer composite using handlay up method · Water Jet Cutting, DMA, Damping Charactericts	Manufacturing

Skills

Programming Languages: Python, MATLAB, ROS, C, R
Design and Simulation Tools: Solidworks, Pro/E Creo, OpenFoam, MeshLab, ParaView, COMSOL Multiphysics, Automation Studio
Domain Knowledge: GD & T, CFD, FEA, MSA, 6 sigma
Hardware Skills: Arduinio, Chip level service for Mobile and laptops
Technical Skills: Research Documentation
Tools and Technologies: MS Excel, MiniTab, MS PowerPoint

Awards

Award For Achievers Sivanthi matriculation Hr.Sec. School · SRM Institute of Science And Technology	Mar 2022
Special Award For Social Service · NAT CARE FOUNDATION	Jul 2012

Certifications

Computational fluid dynamics for incompressible fluids NPTEL · NPTEL24ME26S653410253	Jun 2024
Aeroengine Gas Turbine Cycles NPTEL · NPTEL24AE19S452507305	Nov 2024
IC Engines and Gas Turbines NPTEL · NPTEL25ME36S1143207931	May 2025
Industrial Hydraulics and Automation NPTEL · NPTEL25ME38S1243208089	May 2025

Volunteering

NSS Volunteer	Nov 2022 - May 2024
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Competitions

Indian Karting Race 2023 Participant · ISIE	Oct 2023
Kart Racing Championship 2024 Finalist · Academy of Indigenous Motor Sports	Feb 2024

Workshops

Hands on Training in CFD and Heat Transfer Indian Institute of Information Technology, Design and Manufacturing · IIITDM	Dec 2023
Inside the Machines 2025 Caterpillar · Thiruvallur	Mar 2025

Tests

GATE Department of Higher Education, Ministry of Education, Government of India · Score: 309 / AIR INDIA 2185 IN XE PAPER	Feb 2025
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Scholarships

Reliance Scholarship Reliance Foundation Selected among the top 5% candidates nationwide from over 1,00,000 applicants across all domains in India	Mar 2023
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Extra Curricular Activities

Head of Internal Affairs SSN SAE Club	May 2025
Captain of Team Torq SSN SAE Go kart Team Captain	Jan 2025 - May 2026
Deputy Head: Inventa'24	Oct 2024 - Oct 2024

Languages

Tamil [Native Proficiency], English [Professional Working Proficiency], Hindi [Fundamental Proficiency]

Links

[LinkedIn](#)