YOUR NAME

Complete address along with postal
code and country

Email: youremail@outlook.com
Mobile No. with country code

Your picture

RESEARCH INTERESTS

Structural design and analysis of composite mechanical systems. Numerical modeling and optimization of laminated composite materials. **(No more than two lines)**

EDUCATION

Mechanical Engineering, Bachelor of Science

October year - June year

University, City, Country (University website address)

CGPA 3.88/4

Studies focused in Course 1, Course 2 and Course 3. Completed a number of team and individual projects relating to design and fabrication. Worked as Head Documentation of ASME Chapter and Associate Editor of Mechanical Engineering Magazine.

Thesis: *Thesis title*

Semester Projects:

- *Project A*
- *Project B*
- *Project C*

Pre-Engineering, Higher Secondary School Certificate

Sep. year - August year

Institute name, City, Country (website if any)

Obtained Percentage 90%

Learned basic engineering subjects such as Calculus, Algebra, Trigonometry, Physics and Chemistry along with practical applications. Performed a number of science practical.

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer

June year – June year

Company Name, Country (Website if any)

I am working on structural design and analysis of mechanical systems. Some of the tasks that I completed are as follows:

- Buckling analysis of thin-walled metallic and composite cylindrical shells subjected to axial, bending and external pressure loads. The new design is 10% more cost efficient.
- Aerodynamics performance of high speed train is improved by 2% through CFD design optimization which will make it 5% more fuel efficient.

Design Engineer, Summer Internship June year - July year

Company Name, Country (Website if any)

Worked on the aerodynamics and structural design Sailplane Wing. Different low Reynolds number airfoils were analyzed and selection was made on the basis of greater endurance factor. Learned design for manufacturing and design for assembly techniques.

SKILLS

- 3D modeling and assembling using CATIA-V5, Creo Parametric 2.0, Pro-Engineer and Solidworks.
- Simulation skills using ANSYS, MDSolids.
- Computer Programming using C++, Matlab, Python.
- Good editor skills using Microsoft Office and LATEX.
- Good project leading and time management skills acquired during my professional experience.
- Good English language skills.

RESEARCH PUBLICATION

1. Bahaj, A., Molland, A., Chaplin, J., & Batten, W. (2007). Power and thrust measurements of marine current turbines under various hydrodynamic flow conditions in a cavitation tunnel and a towing tank. Renewable energy, 32(3), 407-426.
2. Blackmore, T., Myers, L. E., & Bahaj, A. S. (2016). Effects of turbulence on tidal turbines: Implications to performance, blade loads, and condition monitoring. International Journal of Marine Energy, 14, 1-26.

HONOURS & ACHIEVEMENTS

- Received Certificate of Merit for outstanding performance and securing CGPA of 3.88 in BS Mechanical Engineering.
- Achieved overall third position in BS Mechanical Engineering with distinctions in three semesters.
- Won fully funded scholarship during BS Mechanical Engineering.
- Won a bronze medal in International Mathematics Contest at Cadet Level.

ACTIVITIES AND INTERESTS

- Completed 48 hours courses on "Finite Element Analysis" (year) held at university.
- Attended a workshop on "workshop name" (year) held at company name, country.
- Volunteering experience
- Life time member of ASME.
- Playing Football, Badminton and Chess.