

ARAVIND SUNIL KUMAR

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EDUCATION

University of Strathclyde, Glasgow, UK

MSc. Advanced Mechanical engineering with Aerospace [Sept'19 – Present]

Core modules: Space Flight Mechanics, Aerodynamic Performance and Aerodynamic Propulsion

Other modules: Pressurised Systems, Payloads, Satellite Application and Technologies, Design Management, Risk Management, Financial Engineering, Gas and Steam Turbines, Nuclear Power Systems.

Dissertation: **A 3D study of surface tension driven convection in systems with localized source of heat:** The aim of the dissertation is the parametric numerical study into dynamics of thermal convection originating from a distribution of discrete source of heat having finite vertical thickness located on the bottom of a fluid container, thus resulting in the formation of patterns based on Marangoni Bernard Convection

Anna University, Chennai, India

B E Mechanical engineering graduated with 2:1 [Jul '14- Apr '19]

Dissertation 1: **Pneumo Engine-** Designed and fabricated an engine with an additional pneumatic piston which generates power from exhaust gases from an IC engine and converts carbon monoxide to carbon dioxide for pollutant-free exhaust.

Project: **Fabrication of multi nut tightener and remover for cars-** Fabricated and designed a portable wheel nut tightener and remover tool for cars which requires less effort and cost

- Enhanced my understanding of the core modules.
- Worked with team members to make sure that the project met its designed target.

IT SKILLS

- Microsoft Office suite: Word, Excel, PowerPoint, Outlook, Access.
- Adobe Suite: Photoshop, Illustrator, Premiere.
- Coral suite
- Designing suite: AutoCAD, Solidworks, Ansys,
- Programming: C, C++, C#, Java, Python, Node.js, MATLAB, General Mission Tool Analysis.
- Repair hardware and software issues in PC and Laptop

EXPERIENCES

Cleaner, Helping Cleaning, UK [Nov '18 - Feb '20]

- Rated 5-star cleaner for services offered and punctuality.
- Cleaned and Organized houses and apartments according to the requirements.

Private tutor, Self Employed, India [Jun'14- Jul'19]

- Supported students for the exam.
- Motivated students during entrance exams and other exams.
- Emphasized on delivering quality of learning over quantity.
- Mentored and checked the progress of students throughout the curriculum.
- Developed problem-solving skills through a series of tasks that enabled me as well as the students to progress.
- Ensured proper communication with the student enabled to express the support and requirements.

Sales Assistant, Computer Store, Trivandrum, India [Jan'19 – Apr '19]

- Tidied up stocks on the shop floor with the team members
- Served customer in the till.
- Assisted the customers with support and services
- Built custom PC configuration based on customer requirements under the scheduled time limit.
- Ensured the shop to meet its desired target.

Trainee, COCHIN SHIPYARD LIMITED, Kochi, India [Dec '17]

- One-week training program on shipbuilding. Ship repair department, Inspection, and Quality Control, Production Planning and Control, and delivered presentation and report on concurrent engineering and manufacturing process.
 - Developed the knowledge behind the manufacturing of ships from the raw materials to the ship launching its maintenance as well.

LANGUAGES:

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| • English: Fluent | • German: Beginner |
| • Malayalam: Native Speaker | • Japanese: Beginner |
| • Hindi: Fluent | |
| • Tamil: Fluent | |

INTERESTS AND ACHIEVEMENTS

- Writing: Written two novels and completed a fiction writing course.
- Reading: Genre like fiction, mystery, crime, space, romance reference, manga, and comics.
- Cooking: Dishes from India, China, and International Cuisines
- Sports and games: Cricket Football, Video games, Adventurous sports
- Won an honesty award from the Vigilance department for the act of honesty returning the lost valuable cash and documents to the owner.
- Captained the debate club Interuniversity team.
- Received awards for essay writing, elocution, drama, and quiz competition

References Available upon Request