



ASWIN V S

B.Tech – Metallurgical and Materials Engineering

Gender: Male

Date of Birth: 07/10/2000

E-mail: tp@nitt.edu

Contact: +91-431-2501081



Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019-Present	B.Tech – MME	NIT, Trichy	7.82
2018	Class XII	Bharani Park Higher Secondary School, Karur, TN State Board	79%
2016	Class X	Bharani Park Higher Secondary School, Karur, TN State Board	98%

Academic Achievements

- Received an Academic Excellence Award for distinctive performance in the Tamil Nadu Secondary School Examination.
- Rajya Puraskar Award (Governor's Award) – Received an award for completion of Scouts & Guides in 2015.

Internship Experience

- Training Internship at National Metallurgical Laboratory (NML):** Jun 2021 – Aug 2021

Underwent a training Internship program, "**Industrial R&D Training on MME**", at CSIR-NML in Jamshedpur (online). The training involved Leadership & Professional skill development, and Scientists from various agencies such as DRDO, TATA Steel, Indian Oil shared their research works and new technologies opted by industries for material selection and production optimization techniques.

- Summer Research Internship CALPHAD – Phase Field Modelling:** May 2022 – Jul 2022

CALPHAD coupled Phase field modelling approach to develop the compound database with Thermo-Calc. Thermo-Calc is a software used for the computation and prediction of material properties. In this we initially developed a ternary phase diagram to model Iron-Carbon-Manganese system. Later worked on Mo-Ni-Ti system. Worked under the guidance of Prof. Prince Gideon Kubendran Amos of NIT Trichy and Prof. Santhy of Indus university, Gujarat. A well-documented report of the work done is prepared and submitted for future references of young budding researchers.

Projects

- **To-do list webApp:**

A To-do list webapp using NodeJS, Bootstrap and hosted the app in Heroku.

- **IoT based Dual-axis Solar Tracker System:**

In this project, a prototype was built using Arduino and Python. This design can be installed in the existing solar panel systems to maximize the energy reception by actively sun rays by switching solar panel in various directions and readings were noted in a .csv file time to time.

Technical Skills and Certifications

- Programming Languages: Python, C++, JAVA, HTML, CSS, JS, SQL, MongoDB
- Frameworks : Bootstrap, NodeJS, ReactJS
- Other Software : MS Office, Thermo-Calc, Unix, Git
- Certifications : IT Support Professional certificate (Coursera offered by Google | Online)
IoT Development (Coursera offered by University of California | Online)

Positions of Responsibility

- **Organizing Team Lead, Tamil Mandram:**

Jun 2022 - Present

The official Tamil linguistic and cultural club of NIT-Trichy comprises 94 members that aim to promote the classical language of Tamil and the culture of Tamil Nadu amongst the students of NITT. As a team volunteer, I conduct events for every fest that the college hosts. My work also includes organizing the Pongal Celebration, which is the flagship event of Tamil Mandram.

- **Committee Member at NSS, NIT Trichy:**

Apr 2020 – Jan 2022

Ideated and organized various awareness programs, and a lot of competitions for various government school students in and around NIT, Trichy. Organized Eye check-up and blood donation camps with help of NSS team members in NIT Trichy hospital.

Extracurricular Activities

Social Activities:

- A volunteer under the **NSS programme**, NIT Trichy, which does social welfare activities, especially for school students.