

J YADAGIRI

jettiyadagiri@gmail.com | 7095858707 | Hyderabad, India | <https://yadagiri.cfd/> | GitHub | LinkedIn

Summary

Currently pursuing the final year of my M. Tech. in Thermal and Fluids Engineering augmented with Machine Learning and Artificial Intelligence at Amrita Vishwa Vidyapeetham, Amritapuri campus, Kerala, and backed by two years of professional experience as a Junior Design Engineer, I am actively seeking opportunities in CFD engineering and applied machine learning. My academic and project background blends core thermal fluid sciences with AI/ML techniques, equipping me to solve complex engineering problems with data-driven approaches.

Experience

Ananth Technology Private limited

Junior Designer Engineer · Designer · Full-Time

Oct 2021 - Jun 2023

Hyderabad, India

- Assisted in 2D and 3D modeling and design of tilt-up concrete panels using AutoCAD and Revit.
- Texas-based projects via Ananth Technologies, 32 buildings were designed and constructed, and 2,612+ panels were designed.

Projects

Impact of a notch cut on the drag characteristics of a circular cylinder

Amrita Vishwa Vidyapeetham · openFoam, Techplot, Paraview, Gambit

Feb 2024 - Feb 2025

CFD

Heat Transfer Through Porous Media

Amrita Vishwa Vidyapeetham · openFoam, Techplot, Paraview, Gambit

Oct 2023 - Jan 2024

CFD

Design & Analysis of Residential Building Using Staad.pro

Sree Vishweshwaraya Institute of Technology of Science · Staad.Pro, AutoCAD

Conducted load and structural analysis, and optimized design using Staad.pro.

Aug 2020 - Dec 2021

Design & Construction

The Design and Application of Prestressed Concrete

Sree Vishweshwaraya Institute of Technology of Science · Staad.Pro, AutoCad, E-Tabs

Explored methods of prestressing and major applications of prestressed concrete.

Feb 2021 - Jul 2025

Design & Construction

Forex Exchange Rate Prediction | [Link](#)

Amrita Vishwa Vidya Peetham · Python,

ANN, LSTM, and GRU.

M.Tech: Case Study in Machine Learning

Jan 2024 - Jan 2024

Deep Learning

Earthquake Prediction Analysis | [Link](#)

Amrita Vishwa Vidya Peetham · Python,

M.Tech - Case study on earthquake data using logistic regression, KNN, and random forest!

May 2024 - May 2025

Machine Learning

Education

Amrita Vishwa Vidyapeetham - Amritapuri Campus.

M.Tech - Thermal and Fluids Engineering. · Mechanical Department.

Amritapuri, Kerala.

Aug 2023 - Present

Sree Vishweshwaraya Institute of Technology of Science

B.Tech - Civil Engineering · Civil Department · Mahabub Nagar, Telangana.

Aug 2017 - Jul 2021

TSWREIS - Intermediate

MPC · Wanaparthy, Telangana

Jul 2015 - Mar 2017

Sathya Sai Vidya Nilayam

10th · Kollapur, Telangana.

Mar 2015

Certifications

Applied Computational Fluid Dynamics | [Link](#)

Seimens · H15RN6IQ62I0

Sep 2024 -

Generative AI for Everyone | [Link](#)

DeepLearning.AI · 33Y4LBV30DK8

Feb 2025 -

The Complete Introduction to OpenFOAM | [Link](#)

Udemy · UC-04d6e46e-6afb-479f-af24-49666c1ef8cc

Nov 2024 -

Rocket Propulsion and Spacecraft Dynamics | [Link](#)

Kodacy · 6c3fed08bd514382

May 2024 -

Publications

Impact of a notch cut on the drag characteristics of a circular cylinder

Jul 2025

International Conference on Advances and Applications of Numerical Analysis (ICAANA)

Publication Work is progressing....

Competitions

TELANGANA YOGA ASSOCIATION, State Level - (Asanas)

Sep 2016

Participation · Telangana Yoga Association, Dist. Sports Authority of Adilabad, Telangana, India.

Workshops

Workshop | [Link](#)

Dec 2024

SCADA and PLC-Based Industrial Automation Workshop

• INSTITUTION'S INNOVATION COUNCIL, JANATICS, SCHOOL OF ENGINEERING, AMRITAPURI.

Tests

Services Selection Board (SSB) - Interview

Roll No.: SSC(Tech)-59/733679 | **Center:** BHOPAL,

SSB/Batch: 21 SSB(C)/72108,

Date of Batch Commencement: 02-07-2022 - 06-07-2022.

Language

- Telugu | [Native Proficiency]
- English | [Professional Working Proficiency]
- Malayalam | [Professional Working Proficiency]
- Hindi | [Limited Working Proficiency]

Skills

Skills: AutoCAD | Revit | Staad.Pro | OpenFoam | Ansys - Fluent | Ubuntu | Machine Learning |

Area of Interest

CFD | Fuel Cell | Renewable Energy | Machine Learning | Oil & Gas.

-