

Pranav Taysheti

SOFTWARE ENGINEER · MECHANICAL ENGINEER

Warje, Pune 411058, Maharashtra, India

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Skills

Back-end

Go, NodeJS

AI / ML

Python, Pandas, PyTorch, Scikit-Learn, SciPy, NumPy

Front-end

Preact, React, Preact Signals, Redux, Astro

Programming

JavaScript, TypeScript, Python, Go, C, Nim

Languages

English, Hindi, Marathi, Kannada, German (A2)

Summary

Software Engineer with penchant to detail and solving difficult problems. Diverse software engineering experience ranging from developing frontend using React and working with Machine Learning in PyTorch to developing programs for microcontrollers in C and solving through increasingly difficult 50 problems of Advent of Code.

Prefers a command line interface as a big fan of NeoVim and Linux. Loves customizing environment for maximum productivity and automation. Interested in solving the problem in most optimal way, and developing right and fast algorithms for doing so.

Education

Manipal Institute of Technology

B. TECH IN MECHANICAL ENGINEERING

Manipal, Karnataka, India

Aug. 2018 - Aug. 2022

Work Experience

Veerasha Castings Pvt. Ltd.

CAD DESIGN INTERN

Sangli, Maharashtra, India

Aug. 2022 - Dec. 2022

- Developed CAD models for automobile parts using SolidWorks in production in 2 formats - post machining and pre machining.
- Gained exposure to manufacturing process, defects formed in foundry and how some of them can be corrected in machining phase.
- Developed models considering similarities of the same model family such that new models of same family can be made with minimal changes to features and sketches.

AllSkiers

FINANCE MEMBER

Manipal, Karnataka, India

Aug. 2021 - Dec. 2021

- Analyzed the viability of the in development product in the market against the market trends, competition, consumer taste, etc and made report on the same

Projects

Advent of Code

Dec. 2024, 2025

GITHUB.COM/PRANAVTAYSHETI/ADVENT-OF-CODE

- Completed all 50 challenges of Advent of Code without external aid or AI, demonstrating strong problem solving ability and self directed learning.
- Applied deep knowledge of data Structures and algorithms to develop solutions in Go and Python.
- Strengthened coding skills in Go and Python through solving increasingly complex computational problems.

Extracurricular Activity

MotoManipal

Manipal, Karnataka, India

Aug. 2019 - Aug. 2021

- FINANCE LEAD
- Built and maintained a system for recording all internal and external transactions of the organization using microsoft excel. and tracked expenses throughout the period
 - Onboarded several companies as sponsors for the organization.
 - smoothly cleared pending and new PRs throughout the period and trained new recruits for the same.

Publication

Aqua-Vision (An underwater panoramic camera with computer vision and analytics)

Manipal, India

JOURNAL OF PHYSICS: CONFERENCE SERIES, VOLUME 2161

Oct. 2021

Certificates

Oct. 25, 2022	What is Data Science?	IBM	4VMQQBKFTQ3J
Oct. 8, 2022	Excel Skills for Business: Essentials	Macquarie University	79N2H55DSJ9Z
Sep. 12, 2022	Initiating and Planning Projects	UCI Division of Continuing Education	F8GQ8UPC37ND
Oct. 23, 2022	Introduction to Operation Management	Wharton University of Pennsylvania	JSCRNGYBXWHS
Oct. 6, 2022	Budgeting and Scheduling Projects	UCI Division of Continuing Education	PUXGU8TLQF26
Oct. 6, 2022	Python for Data Science, AI & Development	UCI Division of Continuing Education	PUXGU8TLQF26
Oct. 6, 2022	Javascript Algorithms and Data Structures	freeCodeCamp	pranavtayseti
Oct. 11, 2023	SOLIDWORKS 2017-23 :Become a Certified Associate Today-CSWA	Udemy	UC-d4fa4353-1c40-4778-944e-9be255a4cc48
Nov. 1, 2023	The Complete Flutter Development Bootcamp with Dart	Udemy	UC-5489b8d5-4528-4654-b845-9e876721618e