

# 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

- 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

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