

Avinash P

avinashpanner@gmail.com | +91 7339096401 | [LinkedIn](#) | [Github](#) | [Medium](#)

OBJECTIVE

Looking to transition into a Backend Engineering role as a skilled Machine Learning Engineer with 3.5 YOE in developing and deploying robust ML models. Keen on designing scalable systems and optimizing performance, leveraging my strong programming skills, problem-solving abilities, and passion for software development. Willing to pick up any stack and/or language.

EDUCATION

Indian Institute of Technology Madras
Dual Degree in Computational Engineering

2015 – 2020
GPA: 8.49/10

SKILLS

Languages Python, C++

Tools Flask, SQLAlchemy, Postgres, Docker, React, JWT, REST

BACKEND PROJECTS

Ticket Booking System

- Frontend built with React where user can register, login, browse available shows by movies/theatres, choose from available seats and finally make payment using razorpay gateway
- Users can also view their purchased tickets in their profile page
- Backend built with Flask supporting authentication with jwt and database interactions through SQLAlchemy ORM

HTTP Server

- Developed a event driven HTTP server from scratch in python using the socket library. Stress tested it with vegeta

RELEVANT COURSES Fundamentals of Backend Engineering, Fundamentals of Database Engineering

AI/ML WORK EXPERIENCE

Data Scientist II *Inito YC W19, Bangalore*

May 2023 – April 2024

End to End ownership of fertility tracking module - handled EDA, data pre-processing, model training, validation, deployment and tracking.

Machine Learning Engineer *ShareChat, Remote*

Aug 2021 – Feb 2023

Wrote pipelines for data pre-processing and inference, trained and deployed models for on-device real time computer vision tasks

Machine Learning Engineer *Ola Electric, Bangalore*

July 2020 – Aug 2021

Worked on video processing pipelines dealing with 3D vision tasks for ADAS platform

OTHER WORKS

- OSS contribution - Implemented the KMeans algorithm in pytorch for the library kornia - PR merge
- iOS Development - Built an AI video cropping app, an expense tracker, a word guess game
- Publication titled "" at IC3D 2019, Belgium
- Medium blog - I write about ML and software. some of them rank under top 5 in Google results
- Cracked Foobar challenge and got an opportunity to interview with Google
- Checkout more ML related projects on github