



# Raghav Gupta

## Software Engineer

I am a highly motivated professional with a background in Software Development and Machine Learning. I have successfully undertaken and completed challenging projects from inception to delivery, consistently delivering high-quality results. I'm excited to learn and contribute to the world of technology and innovation.

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## WORK EXPERIENCE

### Software Engineer

#### ANZ Bank

06/2023 - Present

Bangalore

*Skills: Spring Boot, PostgreSQL, Kafka*

- Working in a team responsible for migrating a core banking application from monolithic architecture to **microservices**
- Contributed to developing multiple **REST APIs** and writing unit test cases
- Actively participated in development, code reviews, and issue/bug triage

### Data Science Intern

#### Drip Capital

05/2022 - 07/2022

Mumbai

*A leading Trade Finance firm solving the working capital problem for SME exporters*

*Skills: Machine Learning Algorithms, Financial Data Analysis*

- Developed a **Risk Scoring** metric for monitoring Drip's portfolio accounts
- Forecasted Repayment timeframes of invoices with **91% accuracy**
- Received a Letter of Recommendation for exemplary performance

### Deep Learning Intern

#### Freespace

02/2022 - 04/2022

Mumbai

*A global leader in technology solutions that enables workplace optimization*

*Skills: PyTorch, Image Segmentation*

- Implemented **U-Net CNN** architecture using **PyTorch** to locate and count people in real-time with IR thermal imaging sensor
- Achieved **20% higher accuracy** than the existing model

## PROJECTS

### Weakly Supervised Computational Pathology

- Built an ML pipeline for **Tata Memorial Centre, Mumbai** to diagnose gene mutation
- Utilized Clustering-constrained Attention Multiple Instance Learning

### Payments App

- Built an end-to-end **MERN** payments application enabling seamless money transfers
- Implemented Transactions in Mongoose, ensuring **atomicity** of database operations

### Web App for Predicting Real Estate Prices

- Developed an interface to input home specifications and display predicted prices
- Performed data engineering and trained a linear regression model with 0.85 cross-validation score and integrated it into **Flask** server

## EDUCATION

### B.Tech, IIT Bombay

#### Civil Engineering (Minor in AI/ML)

07/2019 - 05/2023

CGPA: 8.7

## SKILLS

Java

Spring Boot

REST API

Git

JUnit

C++

HTML

Tailwind

JavaScript

Node

Express

React

MongoDB

PostgreSQL

Docker

Kafka

Python

Machine Learning

AI

PyTorch

TensorFlow

Scikit-Learn

Pandas

Numpy

## RELEVANT COURSES

Data Structures and Algorithms

Machine Learning

Computer Vision

Natural Language Processing

## POSITIONS OF RESPONSIBILITY

Marketing Head, Abhyuday IITB  
(05/2021 - 04/2022)

*Secured a budget of INR 3M through corporate sponsorships for driving various activities conducted by the social body of the college*

Mentor, Web and Coding Club IITB

*Guided juniors on multiple projects over years*

## INTERESTS

Music

Fitness

Cricket

Swimming