

# Pritesh Dhandhukia

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## PROFILE SUMMARY

Innovative Full Stack Developer that transforms complex ideas into robust applications using Python, FastAPI, and seamless Docker deployment. Skilled in training, fine-tuning, and manipulating Large Language Models (LLMs) for personal and professional projects. Combines engineering precision with practical business insight to deliver elegant, impactful solutions that bridge advanced AI and full-stack execution.

## EDUCATION

- Gujarat Technological University** Bhilad, Gujarat  
*Bachelor of Engineering - Computer Science; GPA: 7.8* July 2018 - June 2022  
*Courses: Operating Systems, Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS

- Languages:** Python, SQL, JavaScript, Bash/Shell scripting
- Frameworks & Libraries:** FastAPI, PyTorch, TensorFlow, Hugging Face Transformers, LLM Fine-tuning
- Tools:** Git, GitHub, Docker, Jupyter Notebook, PyCharm, MLflow
- Databases:** PostgreSQL
- Architectures & Patterns:** MVC, REST APIs, Microservices Architecture
- Deployment & Cloud:** Docker, Model Deployment, End-to-end LLM Solutions

## EXPERIENCE

- Civica Resource Pvt. Ltd.** Vadodara, Gujarat  
*Quality Analyst* July 2023 - Feb 2025  
Leveraged automation and data analysis to enhance software quality assurance processes. Applied machine learning techniques to predict and prevent software defects, significantly improving overall product reliability and reducing bug recurrence rates.
  - Automated** test processes using Python scripts, increasing efficiency of QA workflows by 20%
  - Analyzed** large datasets to identify patterns in software defects, contributing to a 25% reduction in bug recurrence
  - Implemented** basic machine learning algorithms to predict potential failure points in software systems
- ExamRoom.AI** Bangalore, Karnataka  
*AI and Web Development Intern* Jan 2022 - April 2022  
Contributed to the development of AI-powered exam proctoring systems and web applications. Applied machine learning and natural language processing techniques to enhance exam integrity. Collaborated with cross-functional teams to integrate AI solutions into existing web infrastructure.
  - Developed** machine learning models to enhance exam proctoring systems, improving cheat detection accuracy by 15%
  - Executed** NLP techniques to analyze student responses, facilitating automated grading for certain question types
  - Engineered** dynamic web applications using Angular and TypeScript, integrating AI-powered features
  - Optimized** database queries and designed efficient schemas, reducing query execution time by 15%
  - Collaborated** with data scientists to integrate ML models into the existing web infrastructure

## PROJECTS

- Sentiment Analysis for Product Reviews** March 2025
  - Developed** an NLP model using BERT to analyze customer sentiment in product reviews
  - Achieved** 92% accuracy in sentiment classification
  - Deployed** the model as a RESTful API using Flask
- Image Classification with Transfer Learning** August 2024
  - Constructed** a convolutional neural network using TensorFlow and transfer learning
  - Fine-tuned** a pre-trained ResNet50 model for custom image classification
  - Attained** 88% accuracy on a dataset of 10,000 images across 5 categories
- ChatGPT-powered Customer Service Bot** December 2023
  - Designed** a customer service chatbot using OpenAI's GPT-3.5 API
  - Integrated** the bot with a web interface using React and Node.js
  - Improved** response accuracy by fine-tuning prompts and implementing context management