Parth Pathak

+91 97245 61020 | parthcseiitian.wixsite.com/parth | 2020pcs1013@iitjammu.ac.in | LinkedIn://parthsompura | Github://parthsompura

EDUCATION

IIT JAMMU (SILVER MEDALIST)
MTech in Computer Science
(Spec. Data Science)
Aug 2022 | J&K, India
CGPA: 9.5 / 10.0 (Institute Rank: 1)
Thesis: Robust Detection and Segmentation of Lungs & Lesion Areas in Diverse Chest CT Scans

GTU (GEC BHAVNAGAR)
BEng in Information Technology
Aug 2020 | Gujarat, India
CGPA: 9.5 / 10.0 (Institute Rank: 1)

COURSEWORK

GRADUATE
Data Organization & Retrieval
Optimization Techniques
Big Data and Large Scale Computing
Deep Learning
XAI: Explainable AI *(Thematic Seminar)*

UNDERGRADUATE
Data Structures & Algorithms
Design and Analysis of Algorithms
Object Oriented Programming
Operating System
Database Management System
Computer Networks
Machine Learning

SKILLS

Programming Languages:
Python • Java • C/C++ • MySQL
R • JavaScript • HTML/CSS • Golang *(Basic)*
Frameworks:
Django • FastAPI • Selenium • PyTest
OpenCV • TensorFlow
Miscellaneous:
AI/ML • MATLAB • Beautiful Soup
NumPy • PyTorch • Pandas • Keras
SciPy • Scikit-learn • Matplotlib

POSITIONS

Teaching Assistant | 2020-21
Web Technologies, DAIICT Gandhinagar, 2021
DSA, IIT Jammu, 2020
Core Member | 2020
Google Developer Group (GDG), Ahmedabad
Project Team Lead | 2019
Gujarat Industrial Hackathon (GIH)
Student Mentor | 2018
GATE (CSE), GEC Bhavnagar
Technical Coordinator | 2017
Led all 7 events in Tech fest of GECB

EXPERIENCE (4.5+ YRS)

EGNYTE | SENIOR SOFTWARE ENGINEER
Jan 2026 - Present | Mumbai, IN
SOFTWARE ENGINEER
Apr 2022 - Dec 2025 | Mumbai, IN
- Architected a modular **AI agent suite** powering **Egnyte Copilot**, delivering **automation** and **real-time intelligence** for **10K+** daily users across **25K+** global businesses.
- Designed an **AI-powered file recommendation engine** with **98.56%** accuracy, optimized for intelligent content discovery, and deployed at **scale** using FastAPI.
- Built a **high-performance** Python microservice and **Permission Control API** for Egnyte's **5PB+** on-prem file system - boosting efficiency by **50%+** and securing access for **25K+** global businesses.
- *Open Source Contributions: @pysmbc: #62, @langchain-ai: #104*

INTEL | SOFTWARE ENGINEERING INTERN
Jul 2021 – Apr 2022 | Bengaluru, IN
- Responsible for research and development of **Intelligent Firmware Trace Analysis Tool (IFTAT)**: A tool that has drastically improved the TAT of SDLC with cost reduction of **99.88%**.
- Published a Research paper titled "Intelligent Firmware Trace Analysis Tool To Expedite Debugging" @ SHS'22.
- Designed a Tool to help developers understand any Regression Test sequence with an accuracy of **98.47%**.

PROJECTS

CERVICAL CANCER PREDICTION | MAJOR PROJECT
Jan 2020 – May 2020
Compared different machine learning techniques across different performance measures. Worked on **multi-label classification and artificial neural network**. Achieved an **accuracy of 98.2%**

AUTOGRADER ONLINE JUDGE | 50K+ production submissions
Built an Autograder platform for the programming problem using **FastAPI**. Used **Redux** for state management and **Firebase** for cloud backend. Adopted at University, used by teachers to train **1K+** students.

HONORS & AWARDS

Year	Rank	Award
2022	1st/500	Institute Silver Medal, *IIT Jammu*
2021	Top 1%	Significant Contributor Award, *Intel*
2021	National	IBM CodeKnack Winner
2021	National	IEEE CS Contest Winner, *IIT Bombay*
2020	Top 3%	GATE (CSE), *IIT Delhi*
2020	1st/600	Distinguished Alumni Award, *GEC Bhavnagar*
2020	2nd/600	Ninja Wave Coding Competition, *Coding Ninjas & IEEE SB*
2018	National	Competitive Coding Techfest Winner, *GEC & SSGEC & SSCCM*

PUBLICATIONS

[1] P. Pathak and S. Ranjan. **IFTAT: Intelligent Firmware Trace Analysis Tool To Expedite Debugging**. *SHS, Intel*, 2022.