

TEJAL KADAM

Bangalore, Karnataka, India - 562106

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🌐 [Linkedin](#)

🐙 [Leetcode](#)

🐙 [github](#)

Technical Skills

Programming Languages: Python, C, C++, HTML/CSS, JavaScript, SQL, OOPS

Developer Tools: Linux, Github, Virtual Machines, MobaXterm, Wireshark, MS SQL, VS CODE, Flask

Soft skills : Presentation skills, Time management, Team player, Adaptability, Critical Thinking, Problem Solving

Experience

Center for Development of Telematics, Gov. of India

July 2023 – Ongoing

Scientist B

Bangalore, Karnataka

- Issue fix and Enhancement of feature - Quality of Service [QoS - Dual Token Bucket Rate Limiter]. Validated through comprehensive testing. Achieved 75% reduction in packet leaks in it.
- Developed an automated script to monitor binary in 4G LTE, enabling restart upon failure and continuous monitoring of the process, streamlining management and improving system reliability
- Design and Development of Extended stats & ARP/ND timer in OFP/LTE DP along with successful port of DPDK and ODP stacks to the latest version.
- Debugged and implemented a solution to enable Packet Capture (PCAP) at the ODP stack level instead of the OpenFastPath stack for a traffic management application.

Teaching Assistant : VNIT

Oct 2022 – June 2023

T.A.

Bangalore, Karnataka

- Guided learning for 100+ students in Data structures, Algorithms, Linear Algebra, Operating Systems, and Distributed Systems through lectures and hands-on labs.
- Organized and conducted 10+ vivas, quizzes, and contributed to question paper setting and grading, ensuring comprehensive student assessment.

Education

Visvesaraya National Institute of Technology (VNIT Nagpur)

Sep. 2021 – June 2023

Master of Technology (M.Tech) in Computer Science Engineering.[CGPA : 9/10]

Nagpur, Maharashtra

University of Mumbai

Aug. 2016 – Nov 2020

Bachelors of Technology in Computer Engineering.

Navi Mumbai, Maharashtra

Projects

PyData-Analyzer | Python, Pandas, SQLAlchemy, SQL | [Link1](#)

January 2021

- * Utilized advanced analytics to analyze company data, identifying top-selling products by region, conducting monthly sales comparisons, and pinpointing the highest revenue-generating product, contributing to enhanced strategic decision-making.

ML based TBM diagnosis | Python, Numpy, Sklearn, matplotlib, Machine Learning | [Link2](#)

November 2020

- * Diagnosed TBM challenges due to similarities with PM in CSF analysis and clinical presentation, leading to frequent misdiagnosis.
- * Developed a clinical data model to differentiate diseases and categorize intensity with 99.84% accuracy on 27,150 samples. Achieved 97.77% accuracy in TBM diagnosis, surpassing prior studies, aiding rural physicians.

Publications

A Review of ML Techniques for Tuberculosis Meningitis Diagnosis

January 2023

- * Held by NIT Delhi — Scopus Indexed Springer Book Series

AI Game Bot Published in IJSART

May 2020

- * International Journal for Science and Advance Research in Technology (IJSART)

Leadership / Extracurricular

Quick Response Team : Volunteer [CDOT]

April 2024 – Present

- * Provided rapid response support, traffic control, and basic first aid during emergencies. Assisted professional responders and contributed to public safety efforts in high-pressure situations.

Team Captain and Sports Coordinator [VNIT]

Jan 2023 – March 2023

- * Led a nine-player throwball team as captain, ensuring effective teamwork and performance. Coordinated ten female athletes in sports activities, practice schedule management and teamwork.