TANMAY MAHAJAN
BTECH (INFORMATION TECHNOLOGY)

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PROJECTS:

i-Transform - On-Demand Car Wash (Microservices Architecture)
Designed and implemented a microservices-based car wash management platform comprising Customer, Washer, Booking, Payment, Admin, and Notification services. Established inter-service communication using REST APIs, Feign Clients, and RabbitMQ for asynchronous, event-driven messaging. Managed data persistence with MySQL, ensuring seamless data flow and consistency across services. Integrated Eureka Server for service discovery and API Gateway for centralized routing and load balancing. Developed key modules like Booking and Payment with dynamic washer assignment logic and real-time notification triggers, adhering to domain-driven design and modular architecture for enhanced scalability, fault tolerance, and maintainability.

Ubuntu Server Hardening
Smart India Hackathon 2023
Developed a Tkinter based UI for intuitive user interaction with the server hardening tool.
Engineered a Python and Shell Scripting backend to implement various security functions, fortifying Ubuntu server defenses

Netflix Data Analysis
Conducted an in-depth data analysis of Netflix's content library using Python to uncover trends, patterns, and insights. This project demonstrates proficiency in data analysis, statistical methods, and machine learning, showcasing the ability to extract actionable insights from large datasets and effectively communicate findings.

TECHNICAL SKILLS:

Programming Languages: C , C++ , Python, Java

Technologies: Spring Boot, REST APIs, MySQL, RabbitMQ, Eureka, Feign, HTML, CSS

Software learned: Visual Studio, Google Colab, Figma, Canva

Core Subjects: ML, AI, OOPS, DSA, DBMS

EDUCATION:

B.Tech. (Information Technology)
JSPM's Rajarshi Shahu College of Engineering   *2021-present*
CGPA: 7.93

HSC
Bharat English School & Junior College   *2021*
84.6%

SSC
Sindhu Vidya Bhavan   *2019*
81.4%

CERTIFICATES:

Cloud Virtual Internship   *Jan-March 2024*
supported by aws academy

Scrum Fundamentals Certified Exam
SCRUMstudy

LANGUAGES:

English,Hindi, Marathi, German(A1)