TEJAL PALWANKAR

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EDUCATION

SYRACUSE UNIVERSITY   New York, USA
Master of Science in Information Studies   Expected: May 2025
Relevant Coursework: Information Management and Technology, Data Administration and Database Management

RAJIV GANDHI INSTITUTE OF TECHNOLOGY   Mumbai, India
Bachelor of Engineering, Computer Science and Engineering   May 2022
Coursework: Artificial Intelligence & Soft Computing, Natural Language Processing, Distributed Computing

WORK EXPERIENCE

KIYA.AI   Mumbai, India
Technical Business Analyst   June 2022 – June 2023
- Spearheaded business analysis for Anti Money Laundering Solution, ensuring integration and optimal performance for 20+ clients.
- Resolved 50+ application issues, resulting in substantial product performance improvements.
- Managed real-time client data migration onto Anti Money Laundering Solution.
- Produced technical documents and conducted 20+ Proof of Concept activities, leading to 20% client conversion and 10% revenue growth.

TOPPR CODR   Mumbai, India
Coding Instructor   February 2021 – March 2022
- Provided one-on-one tutoring to 10 high school students on Python, Web Development, and Machine Learning.
- Mentored students in debugging errors and comprehending complex syntax
- Taught fundamental concepts of Object-Oriented Programming and various algorithms, incorporating real-life examples to enhance understanding. Evaluated and facilitated constructive feedback on daily assignments, resulting in a 20% improvement in students' coding proficiency over the course of the program.

PROJECTS

ANTI-MONEY LAUNDERING SOLUTIONS   March 2023
- Spearheaded setup and implementation of the Anti-Money Laundering solution on clients' servers, generating alerts and reports to align with banks' regulatory requirements. Automated whole process, reducing time taken by 70%
- Facilitated seamless uploading of real-time data comprising over 100000 records for banks' clients and transactions, ensuring rigorous testing of application readiness and executing vital end of day processes
- Coordinated with clients and cross-functional teams to implement changes in existing data, resulting in a 15% improvement in product performance.
- Engineered comprehensive training to the client's compliance team, leading to a 25% increase in their proficiency in navigating the application.

DIABETIC RETINOPATHY DETECTION   May 2022
- Pre-processed a vast image dataset of 1000+ records from Kaggle of affected eyes using median filtering and segmentation image processing techniques, optimizing data for analysis
- Developed a deep learning model based on MobileNet Architecture to accurately detect Diabetic Retinopathy, achieving a remarkable 90% classification accuracy through Convolutional Neural Network-based image classification

PUBLICATIONS

- Tor vs Yggdrasil: A Comparative Study of Two Different Communication Systems. International Conference on Inventive Computation Technologies (ICICT- IEEE), August 16, 2022.
- Real Time Object Detection using SSD and Mobile Net. International Journal for Research in Applied Science & Engineering Technology, Volume 10, Issue III, March 2022.

SKILLS

Programming Languages and Technologies: SQL, Python, C, C++, JavaScript, React, HTML, CSS, JSON, API
Business Analysis Techniques: Gap analysis, Stakeholder analysis, Risk assessment, SWOT analysis, Decision matrix
Tools: VS Code, Git, GitHub, GitLab, Postman, Tomcat, PyCharm, Azure Data Studio, Tableau, Microsoft Suite (Word, Excel, PowerPoint)
Project Management: User Acceptance Testing (UAT), Agile Methodology, Data Analysis, Requirement Gathering, Data Modeling

LEADERSHIP AND ACHIEVEMENTS

CESS Head 2021-2022: Organized workshop for 50+ students, providing foundational knowledge in artificial intelligence and cloud computing.
SOCH President 2020-2021: Played a key role as a member of the SOCH committee at RGIT, organizing various NGO donations and cleanup drives.
Cubase Labs 2019-2022: Established and led RGIT-Cubase Labs, a college-level coding community of 100+ student developers under Dr Priya Parate that promoted collaboration, knowledge-sharing, and student growth.