Richie Vidyadhar Patil

+(91)9833599029 | richiepatilwork@gmail.com | linkedin.com/in/richiepatil | sourcerich.github.io

Backend Developer & *Data Science Enthusiast* with hands-on experience in *TypeScript*, *Node.js*, *SQL*, and *Python* for *web scraping*, *data analysis*, and *machine learning*. Eager to contribute to data-driven backend systems and *scalable* architectures.

WORK EXPERIENCE

Du Points Marketing Services Pvt. Ltd (Sunday Tech), Mumbai   SEP 2024 - CURRENT

BACKEND DEVELOPER

- *Designed and developed robust backend APIs using Node.js and TypeScript for 5 major client-specific and System-as-a-Service (SaaS) applications, with focus on supply chain management.*
- *Identified and resolved a critical performance bottleneck in a dynamic multi-form API, reducing response times from 45–50 seconds to as low as 145ms by restructuring image storage handling, applying dynamic programming, and modularizing deeply nested logic into layered, reusable helper functions.*
- *Integrated multiple third-party APIs including Segment, Meta, Shopify, and Google Analytics, streamlining reporting automation for client-facing SaaS platforms for authentication, transactions and analytics.*
- *Collaborated with cross-functional teams across 2 simultaneous projects while leading a dedicated 3-member team to implement critical updates, feature enhancements, and resolve high-priority issues under tight deadlines.*

BACKEND DEVELOPER - INTERN

- *Provided on-demand support for over 20 production-critical client issues, ensuring rapid resolution within SLA timelines and contributing to a 17% improvement in client-reported incident resolution.*
- *Conducted comprehensive API research and authored integration documentation covering 25+ third-party services, aiding in client proposals and proof-of-concept deployments, including Segment, Meta, Shopify, and Google Analytics for authentication, transactions and analytics.*
- *Tested and validated 1,500+ unique scenarios for compensation and transaction APIs, ensuring business rule accuracy and minimizing revenue-impacting discrepancies.*

WNS Global Services Pvt. Ltd, Mumbai   JAN 2024 - MAY 2024

INTERN TRAINEE - WTS

- *Conducted comprehensive testing on enterprise insurance and claims management applications, identifying and documenting over 1,000+ issues.*
- *Developed and executed 450+ targeted testing scenarios to minimize deployment bugs and enhance overall application stability.*
- *Performed both white-box and black-box testing, ensuring application quality, performance, and security standards were consistently met.*
- *Proposed and documented automated testing frameworks to further improve long-term testing efficiency and reduce manual testing efforts.*

Celebal Technologies, Jaipur Aug 2023 - Dec 2023

SUMMER INTERN - DATA SCIENCE

- *Performed EDA on 500,000+ customer records, identifying insights that informed 2 new marketing strategies.*
- *Cleaned, transformed, and explored large datasets(10GB+), ensuring data accuracy and 100% integrity throughout the analysis pipeline.*
- *Applied machine learning algorithms including Gradient Descent, Categorical Learning, Bagging, and Boosting to optimize model performance and identify valuable business patterns.*

EDUCATIONAL BACKGROUND

Amity University Mumbai 2020-2024

BACHELOR'S IN TECHNOLOGY - COMPUTER SCIENCE AND ENGINEERING (AI&ML)

Minor in Business Management

CGPA - 7.93/10.00
SGPA - 8.41/10.00

PROJECTS

Dynamic Web Scraper for E-Commerce Analytics

Python, BeautifulSoup, Selenium, Pandas

- *Developed a scalable web scraping tool to extract and monitor product data from 5 leading e-commerce platforms.*
- *Automated the extraction of over **10,000+ product listings**, including pricing, stock status, and ratings, enabling market trend analysis.*
- *Visualized data using **Matplotlib** and **Seaborn** to identify pricing trends and competitive product clusters.*

OCR Application for Handwritten Notes *(Incubate Ind Runner-up)*

Python, Tesseract OCR, OpenCV

- *Prototyped an OCR-based application capable of recognizing handwritten notes with a team of four developers.*
- *Achieved a **78% text recognition accuracy** on varied handwriting samples through preprocessing and custom image filters.*
- *Secured **Runner-Up** among **200+** participants at Incubate Ind GitHub Hackathon.*

Loan Default Prediction Model *(Analytics Olympiad 2023)*

Python, Scikit-learn, XGBoost

- Achieved **99.8%** accuracy in predicting customer loan defaults using Categorical Boosting and data cleaning and extracting techniques.
- Processed **~50,000** financial records, performing EDA and feature engineering to optimize model performance.
- Secured **Top 59 rank** (Public leaderboard) in a national competition with **500+** participants.

EXTRA CURRICULARS

Google Data Analytics Certificate | *Jun 2024 – Aug 2024*
Completed the Google Data Analytics Professional Certificate covering data cleaning, visualization, R programming, and analytical methodologies.

Analytics Olympiad 2023 | *Aug 2023 – Sep 2023*
*Secured **Top 59 Public Rank** in a national-level analytics competition hosted by Shiv Nadar Institution of Eminence and MachineHack.*

START Programme, ISRO & IIRS, Mumbai | *Jul 2023 – Aug 2023*
Selected participant in ISRO's START initiative focusing on space sciences and applications.

Google Developer Student Clubs (AUM) – Content Design Team | *Sep 2022 – May 2023*
Designed engaging digital content and visual assets to promote technical workshops and hackathons.

Facilitator at Ami Psych, AUM | *Sep 2020 – Apr 2022*
Organized and hosted mental health awareness sessions, providing peer support and coordinating outreach initiatives.

SKILLS

Programming: TypeScript, Node.js, Python, R
Backend & Frontend: MySQL, Express.js, React, Linux
Tools: Git, Postman, Segment, Snowflake, Google Analytics
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Ant.js

REFERENCES

Du Points Marketing Services (Sunday Tech) - *CHIEF TECHNICAL OFFICER*
MR. ROHIT AGRE – 9892216777

WNS Global Services - *Supervisor*
MR. AMIT SHARMA – 9899116200

Celebal Technologies - *MENTOR*
MS. ARUSHI GOGIA – 9811875199