Riya Dadlani

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Portfolio: https://rae.thinqr.de

Github: https://github.com/riyadadlani02

EDUCATION

VIT Bhopal University	**Bhopal, India**
Bachelor of Technology -Computer Science ; GPA: 8.8/10	**Oct 2022 - Present**

SKILLS SUMMARY

Languages: Java, Python, C++, HTML/CSS, Swift, TypeScript
Frameworks: React, Node.js, Next.js, TensorFlow, Machine Learning, Deep Learning
Tools: Git, PostgreSQL, MySQL, Docker
Platforms: Linux, Web, Windows, AWS, GCP
Soft Skills: Leadership, Event Management, Writing, Public Speaking

EXPERIENCE

Backend Developer

Stripe   **Mar 2023 – May 2023**
- Designed and implemented scalable backend systems using Python and Java, improving processing efficiency by 30%.
- Developed and optimized APIs, enhancing system integration by 25% while ensuring security compliance.

Research Intern

IIT Madras   **July 2024 – Dec 2024**
- Improved LLMs/SLMs for medical applications, increasing diagnostic accuracy by 20% and reducing data processing time.
- Built AI-driven models for automated diagnosis and medical report generation, enhancing system efficiency by 35%.

Freelance Developer   **Jan 2019 – Dec 2021**
- Delivered 10+ web and AI solutions, including e-commerce platforms, leading to a 20% increase in client sales.
- Optimized system performance, reducing processing time by 40% and improving predictive analytics accuracy.

PROJECTS

Harmony Notes (2021): A speech-to-text app developed for deaf students using React.js, Google Cloud Translation API, MongoDB, and WebSocket, achieving 25% better transcription accuracy, over 10,000 users, a 98% satisfaction rate, and earning 2nd Prize at MLH 2021.

Muse App: A browser-based robotic process automation platform integrating NLP that has automated over 500 workflows, resulting in a 30% boost in efficiency. Project Link

ROP App (APK Stage): A platform designed for managing Retinopathy of Prematurity, featuring multilingual support and healthcare tracking, which has reduced manual tracking time by 50% and facilitated over 20 diagnoses and treatments.

Probabilio: A custom programming language for system dynamics modeling that integrates logic and probability, delivering 20% faster simulation processing, serving over 200 users, and improving modeling accuracy by 30%. Project Link

EXTRACURRICULARS

- **Vice President at Freelancing Club, VIT Bhopal**
- **Co-Lead of Technical Team at Data Science Club, VIT Bhopal**
- **Founder & Editor at VIT Echo, VIT Bhopal**

HONORS AND AWARDS

- **IIChE-CHEMCON 2024:** Best Paper & Poster for "Towards Predictive Modeling of Rare Diseases Using Small Language Models and Multi-Omics Data Integration."
- **Singapore Research Conference 2024:** Best Paper Award.
- **WEAmplify Extended Scholarship & Student Swift Challenge:** Selected among the top 350 globally.
- **Major Hacking League 2021:** 2nd place among 500 participants (Harmony Notes).
- **Meta Bounty & Microsoft Learner Ambassador:** Recognized in the top 750 globally; awarded $500.
- **SheBuildsOnAzure & GSSOC 24:** Core team member contributing to open-source projects.

Certifications

- **AWS Cloud Practitioner**
- **AWS Solutions Architect**