

Deep Patel

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Work Experience

Prompt Engineer • **Outlier** Oct 2024 — Present

- Crafting prompts to progressively train generative AI models to write code and adhere to a set of guidelines
- Designing System Instructions (SI) and evaluate multi-turn prompt responses for coherence of the SI against a set of API functions
- Developing responses in natural language and algorithms in Java and Python to simulate model outputs and facilitate the progressive training of generative AI models
- Examining a model's ability to use Implicit Code Execution (ICE) to solve complex mathematical problems
- Utilizing process supervision to identify errors and gaps in model reasoning and offer guidance for better performance in both text and code reasoning
- Evaluating tasks completed by other contributors and check for compliance, completion, and correctness to ensure readiness for client delivery

AI QA Analyst • **RWS Group** Feb 2025 — Present

- Analyzing large volumes of data across various multimedia
- Evaluating the quality of audio samples extracted from audio clips by AI systems for correctness, coverage, and faithfulness
- Comparing two system's ability to recognize and differentiate sounds based on various multimedia to determine which is more effective

Web & Tech Department Manager • **NSTEM** Feb 2024 — Jul 2024

Web & Tech and Media Intern Aug 2023 — Feb 2024

- Supervised department interns, providing mentorship and leading weekly team meetings
- Delivered comprehensive training to interns, enhancing their understanding of business procedures and WordPress
- Managed and assigned department assignments
- Maintained and optimized company website using WordPress, resolving technical issues and improving functionality
- Contributed to the full-stack development of the company website using: JavaScript, HTML/CSS, and WordPress
- Assisted in the creation of the HR database using Airtable

Certifications

AZ-900, Google Agile Essentials, MS C# Fundamentals, REST Engineer

Skills

Programming Languages

C#, Python, Java, SQL, JavaScript, HTML, CSS

Libraries & Frameworks

React, React Native, .NET, Expo, TensorFlow, PyTorch, Matplotlib

Tools & Platforms

Git, GitHub, WordPress, Figma, Firebase, Docker, MS Office Suite, MS SQL Server, AWS, Azure, Visual Studio

Projects

Artificial Intelligence Project

Binary classification model to distinguish images of defective and non-defective potato chips using PyTorch and Keras

Scheduler X

Android app developed in JavaScript using React Native with a Firebase backend. Tested with JUnit and Detox using API-driven data. Developed app website with HTML/CSS

Blackjack

Console-based C# .NET blackjack game, containerized with Docker, backend managed by AWS and SQL Server

Education

University of South Carolina

Bachelor of Science in
Computer Science

Bachelor of Arts in Media Arts

International Baccalaureate (IB)
Diploma