

# 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

- Comparing the quality of audio samples extracted from audio clips by AI systems while adhering to guidelines
- Evaluating and comparing audio samples based on coverage, correctness, and faithfulness to determine which system 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