

# Deep Patel

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## SKILLS

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**Developer Tools:** Git, GitHub, AWS, Azure, MS SQL Server Management Studio, Visual Studio, VS Code, React, .NET, WordPress, Android Studio, Expo, Firebase, Docker, Microsoft Office Suite

**Languages:** C#, Python, Java, JavaScript, HTML/CSS, SQL

**Technical:** Unit/Automated Testing, Agile Methodologies, SCRUM, Mobile Application Development, Cloud Computing, APIs, Artificial Intelligence, Machine Learning, OOP, Computer Hardware

## EDUCATION

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**University of South Carolina – Columbia**

May 2024

*Bachelor of Science in Computer Science | Bachelor of Arts in Media Arts*

*Coursework:* Data Structures & Algorithms, Software Engineering, Databases, AI, Operating Systems

## WORK EXPERIENCE

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**Prompt Engineer | Outlier**

Oct 2024 – Present

- Developed and tested prompts to train AI models for accurate and coherent code and text outputs
- Enhanced AI learning through complex challenges, response rewrites, and error analysis
- Ensured assignment quality as a Senior Reviewer, verifying accuracy and client readiness
- Designed algorithms in Python/Java to simulate model outputs and support AI training workflows

**Website and Technology Department Manager | National STEM Honor Society** Aug 2023 – Jul 2024

- Maintained and optimized company website, resolving technical issues and improving functionality
- Contributed to the full-stack development of the company website ensuring seamless integration
- Developed and maintained the company's HR database
- Supervised department interns, providing training, mentorship, and leading weekly team meetings

## PROJECTS

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**Artificial Intelligence Project | Python, AI/ML, Data Analysis/Visualization**

Aug 2023 – Dec 2023

Utilized **machine learning** to implement a **binary classification** solution on a large image dataset of defective and non-defective potato chips. Utilized **PyTorch** and **Keras** to perform data analysis and produce models that averaged 95% and 98% accuracy respectively. Visualized data using Matplotlib.

**Scheduler X | JavaScript, HTML/CSS, React Native, Expo, Firebase, APIs**

Aug 2023 – May 2024

Android app developed in **JavaScript** with a team of five using **React Native**. Designed a back-end system using **Firebase**, implemented JUnit tests and automated tests using **Detox**, designed UI and application themes using **HTML/CSS**, integrated **API** data, and developed the app's website.

**Blackjack | C#, SQL, .NET, SQL Server, Amazon Web Services, Docker**

Jul 2024 – Aug 2024

Console-based blackjack card game developed using **C#** and the **.NET framework**. Containerized using **Docker**. Database hosted on **AWS** and managed using **SQL Server Management Studio**.

## AWARDS

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- Microsoft AZ-900 Certification
- International Baccalaureate Diploma
- REST Engineer Certification
- Microsoft C# Fundamentals Certification