

Deep Patel

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EDUCATION

University of South Carolina – Columbia	Columbia, SC	05/2024
Bachelor of Science in Computer Science	Bachelor of Arts in Media Arts	

PROFESSIONAL EXPERIENCE / COURSEWORK

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| <ul style="list-style-type: none">• Nail Technician (<i>Aug 2018-Jul 2023</i>)• Web & Tech Department Manager at National STEM Honor Society (<i>Aug 2023-Current</i>)• Algorithmic Design I & II• Artificial Intelligence | <ul style="list-style-type: none">• UNIX/Linux Fundamentals• Mobile Application Development• Operating Systems• Data Structures & Algorithms• Software Engineering• Database System Design |
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PROJECTS

MART 380 Video Game (Fall 2020)

<https://d9asty.itch.io/mart-380-project>

Game designed individually where player must navigate a map and collect keys. Designed game using Unity 3D, implemented functionality using C#, deployed on Itch.io.

Fantasy Rescue (Fall 2020)

<https://d9asty.itch.io/fantasy-rescue>

Codesigned a 3D game where player must overcome obstacle courses and gather keys. Designed game using Unity 3D and Cinema 4D, implemented game functionality using C#.

Java Camp Application (Fall 2022)

<https://github.com/LucasAust/Camp-System>

Worked in a team of 5 collaboratively on a large scale project using git. Designed software making a UML class diagram. Elicited requirements from a faux client. Made unit tests utilizing J-Unit.

Artificial Intelligence Project (Fall 2023)

<https://github.com/DeepThePatel/CSCE580-Fall2023-DeepPatel-Repo>

Used machine learning (Python) to implement a binary classification solution on a large image dataset of defective and non-defective potato chips. Utilized PyTorch and Keras libraries and produced a model that averaged 95% and 98% accuracy respectively.

Senior Capstone Project (Fall 2023 – Spring 2024)

<https://github.com/SCCapstone/CoolwithAnything>

Completed in JavaScript using React-Native Framework. Designed back-end system connecting user information to Firebase, developed user settings functionality, implemented JUnit tests and behavioral tests using Detox, designed UI theme, implemented data from API libraries, developed app website

SKILLS

Developer Tools: Git, MySQL, WordPress, G-Suite, Microsoft Office, VS Code, Android Studio

Technical: C++, C#, Python, Java, JavaScript, JUnit and Behavioral testing, HTML/CSS, React-Native, SQL, APIs, OOP

Soft Skills: SCRUM, collaboration, time management, leadership, verbal and written communication, problem solving, critical thinking, detail oriented, customer service