

Anish Thapa Magar

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Education

Caldwell University

BS in Computer Science

May 2025

- GPA: 3.80/4.0
- **Coursework:** Software Development Capstone, Programming I & II, Data Structures, Design & Analysis of Algorithms, Artificial Intelligence and Machine Learning, Networking & Communications, UI/UX and Human-Computer Interaction, Operating Systems, FullStack Web Development, Probability & Statistics, Calculus I & II

Skills

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

Tools and Frameworks: React, Node.JS, Express.JS, Next.JS, NeDB, MongoDB, Firebase, Pandas, NumPy, TensorFlow, RESTful APIs, Postman

Soft Skills: Leadership, Strong Communication Skills, Punctuality, Problem-Solving; Critical and Analytical Thinking, Ability and Willingness to Learn, Flexibility

Research And Internship Experience

Information Technology Intern

PSEG

Newark, NJ

June 2024 – December 2024

- Developed APIs using MuleSoft and deployed them using CI/CD pipelines, improving deployment efficiency by 30%
- Worked in Software Development Life Cycle (SDLC) for requirement design, development, testing, and deployment
- Participated in code reviews to ensure project code quality and improve collaboration within cross-functional team of 50+ members
- Created ServiceNow tickets for project promotion, Jenkins pipeline creation, and GitHub repository setup
- Transitioned manually deployed projects to automated CI/CD pipelines, troubleshooting deployment issues

Technology Programmer/Analyst Intern

NJ Transit

Newark, NJ

January 2024 – May 2024

- Designed the company's SRS and Mainframe website template in Figma, exporting the design to React and TypeScript and reducing development time by 50%
- Implemented tests using React Testing Library and Cucumber, enhancing application reliability and improving testing efficiency by 30%
- Utilized JIRA for documenting solutions, tracking progress, and project implementation improving team collaboration

Computer Science Research Assistant

CogAI Lab

Caldwell, NJ

August 2023 – May 2024

- Designed user-friendly interfaces for TouchDev, a novel touch-based web app IDE developed with a team of 4 other students, focused on improving coding accessibility on mobile devices
- Conducted 2 experiments on 10+ students, gathered user feedback, and iteratively improved the mobile app's user interface, reducing development time by 25%
- Presented research findings to an audience of 200+ attendees at the Caldwell Research and Arts

Undergraduate Projects

Real-Time Multiplayer Card Game — Next.js, Firebase, JavaScript, Tailwind CSS

[Link](#) 

- Launched a responsive, real-time multiplayer card game with features like bidding, round finalization, card calculation, and dynamic scoring with a team of 4 students
- Added community features that allows players to create & join rooms, challenge friends, and manage friend requests
- Implemented real-time data synchronization with Firebase listeners and RTDB updates, ensuring seamless state management for multiplayer sessions
- Integrated authentication and secure room management, allowing seamless room creation, participation, and role-based gaming experiences
- Designed and coded complex game logic (e.g., hand ranking, bidding system, and turn management), emphasizing robust

error handling and user feedback through toast notifications

Professional Portfolio — Next.js, TypeScript, Tailwind CSS, EmailJS

[Link](#) 

- Built a responsive, dark-mode-enabled portfolio with animated components and smooth navigation
- Developed contact forms with EmailJS and client-side validation.
- Implemented dynamic headers, typing animations, and mobile-friendly navbar
- Used data-driven rendering for timeline and styled skills section with animated icons
- Followed clean, scalable folder structure and modern design practices.

Full Stack To-Do Web App — HTML, CSS, JavaScript, RESTful API, Bcrypt

[Link](#) 

- Developed a To-do application using HTML, CSS, and JavaScript, allowing users to create and manage task lists.
- Implemented user authentication and registration functionalities, including secure storage of user credentials and token-based authentication.
- Utilized RESTful API endpoints to manage CRUD operations for tasks in JSON format, enabling users to add, mark as completed, and remove tasks from their lists.
- Designed an intuitive user interface with dynamic features such as marking tasks completed with a single click and unmarking them with a double click, providing a seamless user experience.
- Developed RESTful API endpoints supporting full CRUD operations in JSON format.

Food Delivery App — Figma, UI/UX Design, Usability Testing

[Link](#) 

- Designed and improved UI for a food delivery app using Figma with user and team feedback
- Participated in design reviews and brainstorming sessions with the team to gather feedback and generate design ideas
- Performed usability testing and evaluation of the app's design and functionality, and gathered feedback and recommendations for improvements
- Continuously improved my design skills and knowledge by seeking feedback, learning from senior designers, and staying up-to-date with the latest design trends and tools

Calculator App using JavaFX with GUI — Java, JavaFX

[Link](#) 

- Created a Java-based calculator app with basic and advanced math operations using object-oriented programming and exception handling.
- User tested and debugged the app for optimal performance and user experience.

Academic Presentations

Caldwell University Research and Creative Arts Day — TouchDev

[Link](#) 

- Poster Presentation at the annual Caldwell University Research Day.

Caldwell University Research and Creative Arts Day — PlayCards

[Link](#) 

- Poster Presentation at the annual Caldwell University Research Day.

Work And Leadership Experience

Resident Assistant

Caldwell, NJ

Caldwell University Residence Life Office

May 2024 – August 2025

- Served as the first point of contact to resolve issues and conflicts within the residence halls
- Managed a residence hall of 25+ students, fostering a supportive community through monthly meetings and events
- Executed social events and educational programs to foster community development, improving resident satisfaction

Campus Safety and Security

Caldwell, NJ

Caldwell University

August 2022 – May 2025

- Managed daily access for 20+ visitors to the residence hall.
- Responded promptly and effectively to student inquiries and emergency issues.
- Communicated student issues to the relevant department for resolution.

Awards And Honors

- **Dean's List** — Caldwell University

2021 - 2025