Anish Thapa Magar

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Education

Caldwell University *Expected May 2025*
BS in Computer Science

- GPA: 3.79/4.0
- **Coursework:** 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, Principles of Economics

Skills

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS, C#, SQL
Tools and Frameworks: React, Node.JS, Express, Next.JS, NeDB, Pandas, NumPy, TensorFlow, Rest APIs, Postman
Soft Skills: Leadership, Strong Communication Skills, Punctuality, Problem-Solving; Critical and Analytical Thinking, Ability and Willingness to Learn, Flexibility

Experience

Information Technology Intern *Newark, NJ*
PSEG *June 2024 – December 2024*

- Developed APIs using **MulesSoft** 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 *Newark, NJ*
NJ Transit *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 *Caldwell, NJ*
CogAI Lab *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

Projects

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

- Built a responsive portfolio featuring a dynamic header, **framer-motion animations**, **auto dark mode**, a timeline populated dynamically, and an email service that **sends emails automatically**.

Task Manager Web Application — Express, JavaScript, Nedb, Bcrypt *Link*

- Developed a task management app with **secure token-based authentication** and secure storage of user credentials with other users
- Utilized **RESTful API** endpoints to manage **CRUD** operations for tasks in JSON format, enabling users to add tasks, mark them as completed with a single click, and unmark them with a double click