

Aayush Chapagain

Aspiring software developer with AI and data structures experience

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Relevant Experience

Actively working on academic and self-learning projects 2024 — Present

Participated in coding practice and problem-solving exercises 2024 — Present

- Build, style, and ship high-quality websites, design systems, mobile apps, and cross-platform digital experiences for a diverse array of clients using technologies such as JavaScript, TypeScript, React, CSS, WordPress and more
- Lead the development and architecture of technical tools like content management systems, REST APIs, and continuous integration pipelines to fulfill business requirements
- Provide leadership within engineering department through close collaboration, building tools to improve developer experience, and mentorship
- Spearhead accessibility initiatives such as creating documentation for best practices, establishing a standard accessibility checklist for developers, and facilitating knowledge shores.

Team Collaboration

- Collaborated with classmates on academic projects and presentations
- Contributed to designing, coding, and testing project solutions

Academic Projects

- Worked on multiple projects related to Python, Data Structures, and AI
- Developed real-time applications and solved practical problems using programming

Micro Accounting System Solution (MASS)

- Contributed to a business accounting application like Tally
- Supported financial data processing and system functionality
- Assisted in testing and improving application features

Project Experience

- Developed AI-based and Python projects solving real-world problems
- Built systems for object detection and internship recommendations
- Applied data structures and algorithms in practical applications

Skills

Programming Languages

JavaScript, TypeScript, HTML, CSS, Python, C, Java, C++

Libraries & Frameworks

React, Next.js, Node.js, React Native, Tailwind CSS

Tools & Platforms

Git, GitHub, Netlify, Vercel, Heroku, Figma

Selected Projects

AI Car & Pedestrian Tracking System

Developed a real-time object detection system using Python with accident prediction and alert features.

Internship Recommendation System

Built an AI-based system to match user skills with relevant internship opportunities.

Education

Anna University

B-Tech, AI and Data Science, Year II

Interests

Web accessibility, rock climbing, science fiction & fantasy movies, Valorant