Cihan Yildirim

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SKILLS

- Programming Languages: Python, TypeScript, JavaScript, Java, SQL, C, C#, HTML, CSS
- Frameworks: React.js, Next.js, FastAPI, Node.js, Express.js Databases: PostgreSQL, MySQL, MongoDB
- Machine Learning: PyTorch, Tensorflow, MediaPipe, OpenCV
- Developer Tools: Git, GitHub, Bash, VS Code, PyCharm
- Technologies: RESTful APIs, WebSockets, SQLAlchemy, Alembic, OOP, Agile Development

EDUCATION

Coastal Carolina University || Conway, SC
August 2020 – May 2025
B.S. Computer Science, Minor in Music

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Machine Organization and Programming, Artificial Intelligence, Software Engineering, User Experience/User Interfaces, Object-Oriented Programming

PROJECTS

Real-Time Accessibility Communication Platform | MediaPipe + PyTorch | github.com/cihanyildirim1/hear

- Built an accessibility-focused web application enabling real-time communication between deaf and hearing users through QR code-based room sharing, live messaging, and an experimental ASL recognition pipeline. Developed the frontend with Next.js, React, TypeScript, and the backend with FastAPI, Python, PostgreSQL, WebSockets, PyTorch, MediaPipe, and OpenCV, focusing on low-latency communication and inclusive user experiences.

Fin-Track Calendar App| *React, Node.js, Express.js, MongoDB* | fintrackcal.vercel.app

- Built a user-friendly application for managing personal finances, allowing users to track income, expenses, and budgets. Incorporated customizable budgeting tools to enable users to set, adjust, and monitor financial goals.

TR2US | *React.js* | *GitHub* | tr2us.vercel.app

- Built and deployed a React.js web application for U.S. citizenship exam preparation, implementing modular component architecture, dynamic quiz generation, and state-driven scoring logic using React hooks. Designed a responsive, mobile-first UI and structured the codebase for scalability and future backend integration.

CastleVista | *Vite.js* | *React* | *REST APIs* | castlevista.vercel.app

- Designed and developed a responsive web application that displays castles worldwide along with their historical background by integrating external data sources, building a performant Vite.js/React interface, and optimizing for scalability to deliver a smooth, engaging user experience across devices.

WORK EXPERIENCE

LightNFC.com – *Founder & Product Developer* 02/2026 - Present

- Launched an NFC-enabled smart card product enabling instant digital profile sharing, managing technical architecture planning and end-to-end product execution.

Serdar Plastic - *Software Engineer Intern* 08/ 2025 – 10/ 2025

- Developed responsive front-end interfaces using React.js and JavaScript, implementing reusable components, optimizing performance, and collaborating with designers to enhance usability and overall user experience.