

Ankit Tiwari

Full-stack developer, loves to build things from scratch, always creating projects to learn & tackling tasks with dedication.

Selected Projects [\(View all Projects[↗]\)](#)

Backend [\(Live Link[↗]\)](#)

- User authentication and management system built with **FastAPI**. It features **JWT-based authentication**, secure **password hashing** with Argon2, OTP verification using **Redis**, and social login integration using **OAuth 2.0** (Google and GitHub), SQLAlchemy for structured database operations with **PostgreSQL**, **Pydantic** for validation, and includes a modular structure for maintainability.
- Asynchronous operations, robust error handling, and a clean architecture with dependency injection ensure high performance and reliability.
- Built using FastAPI, & PostgreSQL, Redis, also Supports Docker.

Accounts [\(Live Link[↗]\)](#)

- A full-stack authentication system built using Next.js's core strengths -> Utilized **Next.js routing**, **API routes**, and **middleware** for efficient request handling and navigation and handles login, logout, password reset, email verification, and **session management** using **cookies** and **API routes**.
- **JWT-based authentication**, and social login via OAuth 2.0. Also supports **automatic token refresh**, **nookies** for server-side and client-side cookie management, custom **RESTful APIs** for user data retrieval, updates, and authentication.
- Built using Next.js, React and Tailwind CSS, utilizing **server-side rendering**.

AutoNext [\(Live Link[↗]\)](#)

- **VS Code extension** that detects when a Next.js project is opened and automates the setup. It runs the necessary script and launches the localhost server in the default browser automatically
- -> Automatically triggers ``npm run dev`` when a workspace is opened -> **detects the port** dynamically by parsing process output -> **opens the application in the default browser**.

LockIn [\(Live Link[↗]\)](#)

- **Advanced task management** with flexible and challenging time tracking with rewards and daily quotes.
- Simplified User Interface to not waste time in managing your tasks.
- Next.js, FastAPI, PostgreSQL

CertificateGenerator [\(Live Link[↗]\)](#)

- Build to generate, verify, and share certificates Instantly.
- Unique ID-based verification system
- Next.js, FastAPI, MongoDB

[My Portfolio\(unkit.site[↗]\)](#)

[Github/anktw[↗]](#)

[Gmail/at792226@gmail.com[↗]](#)

Skills

Languages

Expertise: C, Python, JavaScript (ES6+), TypeScript

Also Know: C++, Java.

Libraries, Frameworks and Databases

Expertise: React, Next.js, Tailwind CSS, FastAPI, Flutter, PostgreSQL, Docker, Redis

Also Know: MySQL, MongoDB

Cloud & DevOps

AWS, Azure, Google Cloud, IBM Cloud, Kubernetes, Docker, Terraform, CI/CD (Jenkins, GitHub Actions)

Systems & Tools

Microservices, REST & GraphQL APIs, Distributed Systems, Load Balancing, Caching, Concurrency, Multithreading, Kubernetes, WebSockets, CI/CD Pipelines

Programming & DSA

Leetcode:[↗] Solving selected problems daily.

Education

Kurukshetra University

Bachelor of Technology from S.I.E.T. Nilokheri in Computer Science and Engineering (2022-2026). Studied Algorithms, Data Structures, Operating Systems, Computer Architecture, OOPs, Databases, Linux and Unix Operating Systems, Compiler Design & Computer Networks etc.

Open Source & Community

Active contributor to open-source projects in DSA, ML, and cloud computing Doing problems in **data structures & algorithms, full-stack development, cloud computing, and security**. Passionate about solving complex problems and building impactful products.