

Ankit Tiwari

unkit.site | at792226@gmail.com | github/anktw | +91 7897895718
Ayodhya, Uttar Pradesh India

Backend-focused **full-stack developer**, experienced in building scalable authentication systems and production-grade APIs using Python, Go and JavaScript. Skilled in building **scalable authentication systems, distributed services**.

Skills

Languages: Python, Go, C/C++, JavaScript, TypeScript
Frameworks: FastAPI, Django, Gin, Next.js, React
Databases: PostgreSQL, MySQL, MongoDB, Redis
DevOps & Tools: Docker, Kubernetes, GitHub Actions, CI/CD
Concepts: REST APIs, OAuth2, JWT, Concurrency, Multithreading, Caching, Load Balancing, Distributed Systems

Projects

- Backend** | *FastAPI, PostgreSQL, Redis, Docker* [Source](#) | [Live link](#)
 - Built scalable auth system supporting JWT OAuth2, with Redis caching, reducing login latency by 80%
 - Implemented async operations, typed dependency injection, and CI/CD with Docker & GitHub Actions.
 - Achieved 13ms response latency with Redis-based OTP verification.
 - Designed for scalability; tested with 10k+ simulated auth requests using Locust.
- Django-Unchained** | *Django, PostgreSQL, Docker* [Source](#)
 - Built multi-tenant backend with isolated JWT auth per tenant, production setup via Docker + Gunicorn.
 - Replaced Django testing with pytest ecosystem, improving test expressiveness and speed by 60%
 - Modularized architecture into **core**, **api**, **common**; used PostgreSQL pooling and static asset automation.
- GoJWT** | *Go, Gin, MongoDB* [Source](#)
 - Implemented a lightweight auth microservice with token validation, secure hashing, and session storage.
 - Used Go concurrency (goroutines) for efficient routing and performance under high load.
- Accounts** | *Next.js* [Source](#) | [Live](#)
 - Built full-featured auth frontend (login, reset, session, email verify) using cookies + API routes.
 - Middleware-based session management; integrated with custom backend APIs; Progressive Web App (PWA), brute force protection.
- LockedIn** | *Next.js* [Source](#) | [Live](#)
 - Advanced Task manager app with time-tracking challenges and simplified UI for productivity.

Experience

- Python Developer Intern** | YBI Foundation *June 2023 - September 2023*
 - Assisted in the implementation of scalable solutions, focusing on efficient data handling and system reliability.
 - Contributed to the design and implementation of efficient data processing pipelines, applying core DSA principles to handle large datasets.
 - Participated in code reviews and debugging sessions, enhancing algorithmic correctness and efficiency.
- Freelancing & Open Source** *Ongoing*
 - Gained hands-on experience in backend development, contributing to the design and optimization of APIs using FastAPI and Django.
 - Developed and optimized APIs, implemented new features, and resolved bugs using Python and Java (Django, FastAPI, Springboot).
 - Collaborated with project maintainers and other contributors, adhering to coding standards and participating in code reviews.
 - Gained extensive experience in integrating different databases (PostgreSQL, MongoDB, Redis) and deploying solutions with Docker and other DevOps tools.

Education

B.Tech in Computer Science and Engineering *Expected 2026*
S.I.E.T. Nilokheri, Kurukshetra University
Relevant Coursework: Data Structures, Operating Systems, Networks, Compiler Design, OOP, Databases, Linux Systems

Interests

Football, ML & LLMs, Quantitative Research, Systems Programming, Distributed Computing