Advait Wakulkar

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EDUCATION

Northeastern University Aug 2024 – Dec 2026
Master of Science in Information Systems *Boston, Massachusetts*

Yeshwantrao Chavan College of Engineering Aug 2019 – May 2023
Bachelor of Engineering in Computer Technology *Nagpur, India*

EXPERIENCE

Software Engineering Intern Aug 2023 – March 2024
Shipthis *Bangalore, India*
- Collaborated with a team of senior developers to optimize back-end services using FastAPI, which improved API response times by 20-30% by restructuring and implementing caching strategies.
- Teamed up with front-end developers to enhance the UI using Angular.js, TypeScript, and Tailwind CSS, which increased cross-device user engagement by streamlining load times and creating a more responsive experience.
- Worked closely with cross-functional teams to integrate third-party APIs, automating notifications and real-time updates, which boosted user interaction and made communication faster and more reliable.

PROJECTS

AI-Powered Email Client (SaaS) | *T3 Stack, OpenAI API, Stripe, Vercel* Jan 2025 – April 2025
- Built an AI-powered SaaS platform using Next.js and OpenAI API, which accelerated email querying and replies by 40%, while integrating emails seamlessly via the Aurinko API.
- Developed a multi-tiered subscription system with access controls for clients and end users, using Clerk for authentication to ensure secure and scalable user management.
- Engineered a secure, scalable payment system using Stripe API and webhooks, which handled real-time transactions and reduced payment processing latency to under 300ms in tests.

Ad on Wheels - Group Project | *React, Node.js, Express, MongoDB* Sep 2024 – Dec 2024
- Crafted an interactive web platform allowing companies to manage mobile advertisements on vehicles; facilitated real-time updates which led to improved client engagement.
- Implemented Redux for session-based authentication, ensuring smooth state management across pages like login and signup, providing consistent access control and role-specific features.
- MongoDB was selected for its flexibility in handling unstructured data, allowing the platform to scale seamlessly as it grows.
- Worked in a team of 4, designing and testing platform features based on user roles, ensuring a smooth and efficient experience for all stakeholders.

REELS APP | *TypeScript, Next.js, NextAuth, MongoDB, ImageKit* Jul 2024 – Aug 2024
- Constructed robust authentication features with NextAuth.js, securing session management for role-based access control across more than 100 concurrent users while fostering seamless integration into the existing platform architecture.
- Integrated NextAuth.js for authentication, ensuring secure session management and role-based access control, tested with multiple concurrent logins.
- Utilized MongoDB to streamline queries, efficiently handling thousands of video metadata entries, which reduced database query times by 30% in testing, enhancing data retrieval speed

TECHNICAL SKILLS

Languages: Java, Python, Go, Scala, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks & Libraries: Next.js, Node.js, FastAPI, Flask, Tailwind CSS, Material-UI, Angular.js, React, Django
Developer Tools & Platforms: Git, Docker, Terraform, AWS, Vercel, VS Code, Visual Studio, GraphQL, GitHub, Jira, Linux, Postman, Nginx
Databases & Storage: PostgreSQL, MongoDB, SQLite, AWS RDS, S3
Cloud Technologies: AWS (EC2, S3, Lambda), Vercel, Azure
Development Practices: Agile, Peer Code Reviews, Continuous Integration, CI/CD pipelines
Specializations: Full-Stack Development, Software Engineering, Cloud Architecture, Application Design, Algorithms, API Integration, Real-Time Systems