Atharva Ajit Waranashiwar

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Summary

Full-Stack Engineer with 2+ years of experience building scalable web apps. Strong in API development, cloud integration, and delivering real-time, user-focused features. Currently pursuing an MS in Information Systems at Northeastern University.

Skills

- **Languages:** Python, JavaScript (ES6+), TypeScript, Java, SQL
- **Frontend:** React.js, Angular, HTML5, CSS3, TypeScript, Next.js, Tailwind CSS, Redux, Responsive Web Design
- **Backend & APIs:** FastAPI, Node.js, Express.js, RESTful APIs, OpenAI API, GraphQL, Microservices Architecture
- **Databases:** PostgreSQL, MongoDB, SQLAlchemy, Firestore, Redis
- **DevOps & Cloud:** Google Cloud Platform (Cloud Functions, Firestore, Cloud Run), AWS (EC2, S3), Docker (containerisation), Terraform, GitHub Actions, Vercel, Kubernetes
- **Authentication & Authorization:** Firebase Auth, OAuth 2.0, JWT
- **Tools & Technologies**: Agile methodologies, GitHub Projects, Figma (for UI collaboration)
- **Testing & API Tools:** Postman, Swagger / OpenAPI, Pytest, React Testing Library, Jest
- **Development Practices:** Git, GitHub, CI/CD (Continuous Integration / Continuous Deployment), Agile Scrum, GitHub Projects

Work Experience

Full-Stack / Data Engineer | 10th Inning Ventures, San Marcos, CA   Jan 2025 - Present

- Built a responsive web app using Next.js and FastAPI, improving load times by ~20% and increasing user retention over 3 months through server-side rendering and optimized API response handling
- Developed a computer vision-based video analysis system using OpenCV and MediaPipe, enabling automated squat counting from uploaded videos and reducing manual tracking effort by 70% across pilot users
- Integrated OpenAI's GPT models into an AI coaching module, providing personalized performance feedback that drove a 35% boost in weekly user engagement within 6 weeks
- Automated CI/CD workflows using GitHub Actions, deploying services to Google Cloud Run and Cloud Functions, which reduced environment setup and release time by 50%, enabling faster and more reliable delivery of feature updates

Software Engineer | Persistent Systems, Pune, India   Aug 2021 - Sep 2023

- Spearheaded the development of a laboratory data directory web app using Angular and FastAPI, improving data accessibility for over 5000 users and increasing engagement by 40% within the first 2 months through a responsive, user-friendly interface
- Designed and deployed RESTful APIs with FastAPI, enabling real-time data retrieval and updates that reduced frontend-to-backend latency by 30% and supported concurrent usage without performance degradation
- Optimized backend performance by integrating SQLAlchemy ORM with PostgreSQL, reducing query execution time by 25% and streamlining the handling of over 1 million data records with efficient model management
- Refactored redundant backend logic, cutting code complexity by 35% and enhancing maintainability, enabling faster onboarding of new developers during handoffs and sprint cycles

Technical Projects

Events and Facility Management | *Tech Stack: React, Python - FastAPI, Google calendar API, GCP, Firebase, OAuth*

- Developed a React-based scheduling platform integrated with Google Calendar API and Firebase, increasing facility utilization by 30% over 8 weeks by automating event visibility and reducing idle time across venues
- Implemented real-time booking and cancellation notifications, leading to a 70% reduction in scheduling conflicts by proactively alerting users of slot availability and changes
- Engineered secure user authentication using Firebase OAuth, enhancing system access control and reducing unauthorized access attempts by 90% within the first month of deployment
- Deployed the full system on Google Cloud Platform (GCP) with Firebase Firestore as the real-time database,ensuring scalable performance and supporting over 1,000 concurrent booking interactions per week

AI Sports Coach Feedback System | *Tech Stack: Next.js, Firebase, OpenAI API*
Achieved 2nd place at the One Percent Athlete Hackathon by 10th Inning Ventures

- Developed an AI-powered chatbot using OpenAI API, delivering personalized performance feedback to over 200 athletes, resulting in a 50% increase in weekly user engagement within 6 weeks of launch
- Designed and implemented a real-time performance dashboard, visualizing metrics like strength, speed, power, and jump scores, which enabled 75% of active users to track progress and set measurable goals
- Launched a "Find Friends" feature to match athletes based on shared goals and performance levels,increasing in-app connections by 3x and fostering community-driven motivation within 1 month
- Integrated backend logic to dynamically update AI suggestions based on user metrics and session history,improving recommendation accuracy and personalization feedback ratings by 40%

Education

- **MS in Computer Software Engineering | Northeastern University,** Boston, MA   **Expected - Dec 2025**
Courses - Network Structures and Cloud Computing, Program Structures and Algorithms, Advanced Big Data Applications and Indexing Techniques
- **BE in Electronics and Telecommunication| Pune University,** Pune, India   **Jul 2021**
Courses - Data Structures and Algorithms, Object Oriented Programming, System Programming and Operating Systems