Jujjuvarapu Abhishek

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SUMMARY

Full-stack developer experienced in building secure, scalable MERN-based web applications, focusing on authentication, APIs, admin workflows, clean architecture, performance, and practical web application security for real-world use.

EXPERIENCE

Open Source Contributor
GirlScript Summer of Code (GSSoC)   **June 2025 - Present, Remote**

- Contributed to 3+ open-source full-stack projects, resolving bugs, improving UI components, and delivering new features across React (frontend) and Node.js (backend) codebases.
- Improved React component performance by approximately 20–25% through refactoring, modularization, and optimized state management using React Hooks and Context API.
- Collaborated with mentors and contributors through GitHub PRs, code reviews, and Agile sprints, consistently meeting weekly contribution targets.
- Wrote clean, modular, and well-documented code, reducing onboarding time for new contributors by approximately 30–40% and improving long-term maintainability.

Web Developer Intern
Prodigy InfoTech   **September 2024 - October 2024, Remote**

- Engineered secure, mobile-responsive features using the MERN stack, implementing RESTful APIs and JWT-based authentication for client–server data flow.
- Reduced frontend code duplication by approximately 25–30% by building reusable and scalable React components aligned with UI best practices.
- Delivered weekly feature updates with approximately 90%+ functional test coverage, validating APIs and workflows using Postman while following OWASP-aligned security practices.
- Optimized MongoDB queries and Express.js backend logic, improving API response times by approximately 35–40% and supporting future scalability.

PROJECT

AI Mental Health Therapy Bot
Web & Security Developer | Team Project • github.com/Abhi-0930/mental-health-therapy-bot.git

- Engineered a high-performance React interface, slashing initial page load time by 35% and boosting interaction speeds by 20% through code splitting and optimized rendering.
- Integrated real-time emotion analysis APIs using Python/Flask, achieving 95% classification accuracy while maintaining approximately 400ms latency for seamless user feedback.
- Deployed Redis caching for chat sessions, reducing database read load by 50% and accelerating API response times by 25% for high-frequency data.
- Fortified system security with JWT & HTTPS, successfully preventing 100% of unauthorized access attempts during penetration testing and ensuring zero session data leaks.
- Architected scalable RESTful APIs to manage AI workflows, supporting 100+ concurrent users with 99.9% uptime and consistent performance under peak loads.
- Tech: React, Node.js, Python (Flask), MongoDB, Redis, JWT, Docker, Generative AI.

Full-Stack Food Delivery Platform
Personal Project • github.com/Abhi-0930/mern-food-delivery.git

- Built a full-stack food delivery application with user and admin dashboards, supporting end-to-end order workflows for 50+ test users and concurrent orders.
- Implemented secure authentication using JWT and bcrypt, enabling role-based access control and eliminating unauthorized access attempts during testing.
- Designed real-time order tracking using Socket.io with Redis caching for order state and session management, achieving less than 300ms update latency.
- Integrated Kafka-based event-driven processing for asynchronous order updates and notification workflows, improving system reliability under concurrent load.
- Achieved 90+ Lighthouse scores in performance and accessibility through optimized frontend rendering and backend API efficiency.
- Tech: React, Node.js, Express.js, MongoDB, Redis, Kafka, Stripe, JWT, Socket.io.

EDUCATION

B.Tech
Minor in Artificial Intelligence • Anurag University • Hyderabad, Telangana • 2026 • 7.2 CGPA

- Academic Highlights
- Top Performer in multiple university-level hackathons for AI-based project prototypes.

CERTIFICATIONS

Certified Cybersecurity Analyst
Student Tribe • 2024

- Completed a one-year hands-on cybersecurity training program focused on application security, vulnerability assessment, and secure development practices.
- Applied OWASP Top 10 principles through guided lab exercises to identify and mitigate common web application vulnerabilities.
- Practiced securing sample full-stack applications by implementing authentication, access control, and basic security hardening techniques.

SKILLS

Frontend Development: React.js, Next.js, JavaScript (ES6+), HTML, CSS, Tailwind CSS
Backend & APIs: Node.js, Express.js, REST APIs, Socket.io, JWT Authentication, Role-Based Access Control
Databases & Caching: Caching: MongoDB, PostgreSQL, Redis
Distributed Systems & Messaging: Kafka
DevOps & Infrastructure: Docker, Kubernetes, Linux
Application Security: Web Application Security, OWASP Top 10, Vulnerability Assessment
Tools: Git, GitHub, Postman