HARSHIT SETHI

sethiharshitfzr@gmail.com | +91-7696446000 | LinkedIn | GitHub | Portfolio | LeetCode | Codeforces

EDUCATION

Bachelor of Engineering in Electronics and Computer (CGPA: 8.10)   Aug 2021 – Present
Thapar Institute of Engineering and Technology   Patiala, Punjab

• Relevant Coursework: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOPs), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

Senior Secondary, CBSE (Percentage: 85.80)   Mar 2019 – Feb 2021
City Heart School   Ferozepur, Punjab

WORK EXPERIENCE

Software Development Engineer Intern   Jan 2025 – Present
Amazon India   Bengaluru, Karnataka

• Refined API response times by 15%, maintaining latency under 200ms for 1,000+ concurrent users. Automated supply chain workflows with AWS Lambda and DynamoDB, boosting efficiency by 20%.
• Designed microservices to optimize order workflows, elevating system performance by 15%.
• Collaborated with cross-functional teams to integrate AI-based recommendation systems, boosting user retention by 10%. Automated testing pipelines using Selenium, diminishing testing time by 25%.

Back End Developer Intern   Jun 2024 – Jul 2024
Intello Tech   New Delhi

• Configured CI/CD pipelines, trimming deployment times by 30%. Improved system reliability by configuring load balancing with AWS EC2, reducing downtime by 10%.
• Automated monitoring using AWS CloudWatch, minimizing manual interventions by 40%. Enhanced database query performance, diminishing execution time by 35%.
• Executed server-side caching strategies, improving response times by 20%. Partnered to the development of RESTful APIs, facilitating integration with front-end systems.

PROJECTS

Reyy's Shoes | *React.js, Express.js, MongoDB, Nodemailer, Node-cron, JWT, Stripe*   Github | Demo

• Architected a platform with secure logins, payment integration, and admin tools, enhancing operational efficiency by 25%. Optimized API endpoints, cutting response times by 20% for a catalog of 10,000+ products.
• Increased user engagement by 15% through a mobile-first design. Applied Elasticsearch for product search, trimming query times by 40%.
• Automated inventory updates, saving 10+ hours weekly in manual efforts. Integrated analytics tools, enabling data-driven sales strategies and insights.

Reyy Talks | *Reactjs, Socket.IO, WebRTC, Firebase, and Express.js, Node.js*   Github | Demo

• Engineered a messaging platform featuring voice/video calls, image sharing, and user moderation tools. Boosted real-time communication using WebRTC and scaled the platform to support 25+ active users.
• Decreased latency by 40% using Socket.IO and improved state management with Zustand. Implemented end-to-end encryption for secure communication across all user interactions.

Weather Application | *JavaScript, Python, HTML5, CSS3, API Integration*   Github | Demo

• Developed a responsive weather app with location-based visuals, amplifying engagement by 40%.
• Designed and implemented an API solution that fetched real-time environmental data, resulting in a 50% reduction in data retrieval time; optimized user interface for enhanced usability on mobile and desktop platforms.
• Streamlined weather forecasting for 7-day predictions, improving user experience. Added geolocation services to provide hyper-localized weather updates.

SKILLS

• **Programming Languages:** Java, JavaScript, Python, HTML5, CSS3, C++, EJS
• **Frameworks/Libraries:** React.js, Node.js, Express.js, Socket.IO, WebRTC, Firebase, Material-UI
• **Databases:** MongoDB (Mongoose), Firestore, SQL
• **Tools/Platforms:** Git/GitHub, Docker, Kubernetes, Postman, Netlify, Vercel, Render, VS Code
• **Technical Skills:** Full-Stack Development, Real-Time Communication, REST APIs, Authentication & Authorization, Cloud Computing, AWS Services

ACHIEVEMENTS

• Scored 4/5 points in the State Chess Championship. Secured 4th Position in the Paul Morphy Chess Championship.
• Completed 600+ DSA problems. Achieved 90% in Data Structures and Algorithms on Coding platforms.
• Directed a team of 100+ volunteers, increasing event efficiency by 30% across 20+ initiatives. Created transaction tracking systems, reducing manual errors by 50%.
• Coordinated logistics for the distribution of over 1,000 meals daily during COVID-19 relief efforts; directly contributed to alleviating food insecurity in underserved communities through efficient resource allocation and operational planning.