

Arushi Sharma

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EDUCATION

Shri Ram Murti Smarak College of Engineering and Technology

Bachelor of Technology in Computer Science and Engineering; GPA: 7.42/10.0

Bareilly, India

Nov 2021 – May 2025

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Redux, Tailwind CSS

Databases & Cloud: MongoDB, PostgreSQL, MySQL, AWS

Tools & Technologies: Git, GitHub, Postman, WebSockets, RESTful APIs, JWT/OAuth, CI/CD

EXPERIENCE

Web Developer Intern

TechTorch Solutions Pvt. Ltd.

Jul 2024 – Dec 2024

Remote

- Architected scalable full-stack MERN application with optimized RESTful APIs, reducing data retrieval time by 40% through database indexing, query optimization, and implementing caching strategies
- Engineered responsive UI with React and Tailwind CSS; implemented JWT/OAuth authentication ensuring secure access control and data protection
- Conducted comprehensive unit testing and debugging to ensure 99% code coverage, maintaining high code quality standards
- Streamlined development using Agile methodologies, Git workflows, code reviews, and CI/CD pipelines, reducing deployment time by 30%

Open Source Contributor

GirlScript Summer of Code (GSSoC)

May 2024 – Aug 2024

Remote

- Delivered 20+ merged pull requests across 5+ projects, implementing features, fixing bugs, and improving documentation
- Collaborated with global developers through code reviews and pair programming, strengthening software engineering practices
- Contributed to projects with 50,000+ GitHub stars, gaining experience in large-scale codebase navigation and version control

PROJECTS

Tasty-Treat | React.js, Node.js, Express.js, PostgreSQL, Sequelize, Stripe

GitHub

- Architected full-stack food ordering platform with user/admin dashboards, implementing scalable microservices architecture for menu management, order tracking, and payment processing
- Integrated Stripe payment gateway with error handling and transaction validation, increasing success rate by 25%; optimized APIs reducing response time by 30%
- Designed responsive UI improving retention by 15%; implemented token-based authentication with role-based access control
- Applied database normalization and indexing strategies to handle 10,000+ concurrent users with sub-second query performance

True-Feedback | Next.js, WebSockets, MongoDB, OpenAI API

GitHub

- Engineered real-time anonymous messaging platform using WebSocket technology, featuring secure authentication and email verification (50% success rate)
- Implemented AI-powered suggestions using OpenAI API and server-side rendering, increasing engagement by 10%
- Designed scalable architecture supporting 1,000+ concurrent WebSocket connections with message queuing and load balancing

ScholarHub | React.js, Node.js, MongoDB, Express.js

- Developed academic management system enabling 500+ students to track assignments, scores, and leave applications with automated notifications
- Built admin dashboard for teachers managing marks and attendance, reducing administrative overhead by 40%

ACHIEVEMENTS & LEADERSHIP

TCS CodeVita 2024: Global Rank 4503 among 300,000+ participants, demonstrating algorithmic problem-solving expertise

Walmart Sparkathon 2024: Advanced to Round 2 with innovative waste management solution using IoT and predictive analytics

AI/ML Trainee, Livewire India: Completed training in computer vision, speech recognition using Python and TensorFlow

Flipkart GRiD 6.0: Selected for Software Development Track among 50,000+ participants

District-Level Hackathon: Semi-finalist at SRMS, clearing three rounds with agile team-based solutions

Tech Club Member: Organized 10+ coding competitions and workshops on web development for 100+ students

Joint Secretary, Literary Club: Led 15+ events promoting student engagement and leadership development