SHASHANK MISHRA

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EDUCATION

Bhilai Institute of Technology Durg   CGPA: 8.9
B.Tech in Computer Science and Engineering (Data Science)   Sep 2022 - Present

EXPERIENCE

Innodeed Systems   May 2025 – Jun 2025
Software Engineer Intern   Hybrid
- Developed 12+ full-stack RESTful APIs and integrated them with reusable React components for a healthcare platform serving 50+ clinics, ensuring smooth frontend–backend communication and consistent user experience across modules
- Boosted appointment workflow speed by 30% via query optimization & API response tuning, reducing overall system latency
- Worked across the complete SDLC, including requirements analysis, API development, debugging, and UI integration, while building 10+ frontend components that ensured seamless feature delivery and stable system behavior

Aon Digicon   May 2024 – Jun 2024
Web Developer Intern   On-site
- Co-developed CarSahayak (e-commerce platform) targeting 10k+ users; built responsive UI using Bootstrap and integrated it with Node.js APIs
- Refactored MongoDB schema and added targeted indexes, reducing query latency by 60% on high-traffic operations
- Improved platform usability and interaction flow by collaborating with UI/UX teams, increasing session duration by 25%

PROJECTS

AchievR | *React.js, Node.js, Express.js, Gemini, MongoDB, Docker, Tailwind CSS*   link
- Built a full-stack Digital Student Achievement Platform with 3 role-based dashboards and AI-powered certificate verification using Gemini (92% accuracy)
- Developed 15+ secure REST APIs with JWT, file uploads (Multer + Cloudinary), SendGrid automation, and optimized MongoDB queries achieving <200ms latency
- Designed responsive UI components, integrated backend workflows, and deployed the production build using Docker, PM2, and Nginx, reducing manual verification time by 73%

BrainCache | *TypeScript, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT*   link
- Built a production-ready content management platform handling 500+ items with real-time synchronization and optimized state management
- Engineered secure REST APIs with JWT authentication, middleware authorization, and 15+ protected routes delivering sub-200ms latency under concurrent load
- Designed an intelligent multi-filter tagging and shareable content system that optimized retrieval time by 60%, significantly enhancing user engagement and content accessibility and deployed the full-stack system on Vercel and Render

CourseStack | *React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Vercel, Render*   link
- Developed a full-stack course management platform enabling users to browse, enroll, and manage learning content with real-time state synchronization, ensuring a smooth, consistent, and highly responsive user experience
- Built dynamic course creation, enrollment workflows, and progress tracking with modular service architecture, enabling scalable feature extensions and improving system maintainability by 40%

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C++
Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Component Design, State Management
Backend: Node.js, Express.js, Django, Flask, FastAPI, REST APIs, Authentication, RBAC
Database: PostgreSQL, MongoDB (Indexes, Aggregations, Query Optimization)
DevOps & Deployment: Docker, Containerization, AWS (EC2, S3), Nginx, PM2, CI/CD Pipelines, Vercel, Render
Other: SDLC, Debugging, System Design Basics, API Optimization, Git, Postman, Figma

EXTRACURRICULAR

Campus Director — Hult Prize, Bhilai Institute Of Technology Durg   *Apr 2024 – May 2025*
Led the Hult Prize challenge with 100+ participants; executed 3+ pre-events, onboarded 4+ sponsors, and guided cross-functional teams of 38 members

ACHIEVEMENTS

Winner – Hack the Cosmos Hackathon (2025): Ranked 1st in a 6-hour rapid development challenge at BIT Durg across teams
Grand Finalist – HackOMania (2025): Led 4-member team in 24-hour National-Level Hackathon | Competed among 180+ teams and advanced to grand finals
Ranked 9th in CSE Branch: Maintained 8.9 CGPA demonstrating consistent academic excellence & deep subject understanding