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 – July 2025
Software Engineer Intern   Hybrid
- Implemented JWT-based authentication with role-based access control (Learner & Creator), securing role-specific access across 15+ protected REST APIs
- Designed MongoDB schemas and developed backend APIs to support course creation, updates, and purchases, efficiently handling 300+ courses without performance issues
- Built 10+ reusable frontend components using React and Tailwind CSS, integrated Stripe payment flows, and contributed across the SDLC, including API development, testing, and debugging

Aon Digicon   May 2024 – June 2024
Web Developer Intern   Hybrid
- Developed a car servicing e-commerce website enabling users to select vehicle models, choose services, and book service requests
- Implemented service-wise pricing logic and automated bill generation using selected service options
- Built responsive user interfaces using Bootstrap and connected frontend views with basic Node.js endpoints

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; deployed the system on Vercel and Render

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