

# SHREYANSH PANDEY

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## ❖ SUMMARY

Computer Science undergraduate with hands-on experience in building secure, scalable full-stack web applications using the MERN stack. Completed multiple internships delivering real-world systems with role-based access, optimized workflows, and measurable performance improvements. Strong foundation in DSA, backend development, and clean, maintainable code.

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## ❖ EDUCATION

### B. Tech in Computer Science & Engineering

Bhilai Institute of Technology, Durg, Chhattisgarh | CGPA: 9.15 | Oct 2022- Aug 2026

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## ❖ WORK EXPERIENCE

### Software Development Intern | National Informatics Centre (NIC), Bilaspur | Hybrid | May 2025 - July 2025

- Designed and deployed a secure MERN-based IP Management Portal for 200+ employees.
- Implemented role-based authentication, CAPTCHA, and OTP verification, improving security by 35%.
- Optimized data workflows for IP allocation and complaints, reducing manual processing time by 60%.
- Utilized Docker and Git-based workflows across SDLC phases to streamline deployment and version control.

### Software Development Intern | South Eastern Coalfields Limited (SECL), Bilaspur | On-Site | July 2025 – August 2025

- Built a MERN-based land clubbing & employment eligibility system for operational automation.
- Automated job eligibility logic and integrated dynamic modals for employee data, cutting validation time by 70%.
- Improved data accuracy by 30% and ensured scalability for 1,000+ records.

### Web Development Intern | The Sparks Foundation | Remote | June 2024 - July 2024

- Developed a banking web app using Django + SQLite supporting login, fund transfer, and transaction tracking.
  - Enhanced database performance with query optimization for 25% faster load times.
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## ❖ TECHNICAL SKILLS

**Languages:** JavaScript, Java, C++, Python, TypeScript;

**Frontend:** React, Next.js, Tailwind CSS, Component Architecture, State Management, Performance Optimization;

**Backend:** Node.js, Express.js, REST APIs, Auth, Caching (Redis), JWT, API Design, Django, Flask;

**Databases:** MySQL, MongoDB, SQLite, PostgreSQL, Schema Handling;

**Tools & Practices:** Docker, CI/CD Pipelines, Git, GitHub Actions, Linux, Firebase, Basic Unit Testing, Version Control, Debugging, Documentation.

**CS Fundamentals:** Data Structures & Algorithms, OOPs, DBMS, OS, CN, System Design Basics, SDLC, Agile Methodology.

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## ❖ PROJECTS

### Web Link Hub | (TypeScript, Tailwind CSS, React, Node.js, Express.js) | [GitHub](#)

- Constructed a centralized platform to manage and categorize web links with an intuitive, responsive UI.
- Added search and filtering functionality, improving user navigation speed by 40%.
- Currently integrating database and chatbot features to enhance accessibility and user interaction.

### IP Address Management System (NIC Internship) | (JS, Mongo, React, Node, Express, JWT, Tailwind CSS, CI/CD) | [GitHub](#)

- Created a secure role-based portal for NIC employees & admins with CAPTCHA + OTP recovery.
- Engineered IP allocation & management, complaint handling, and CRUD operations.
- Enabled department-wise colleague view and custom internal database manager.

### Stack Underflow (QnA Site) | (MERN, GraphQL) | [GitHub](#)

- Architected and deployed a scalable Q&A platform with authentication and dynamic content management.
  - Optimized GraphQL schema optimization, improving query response efficiency and data retrieval performance.
  - Embedded modular backend for higher scalability and maintainability under growing user loads.
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## ❖ ACHIEVEMENTS

Runner Up in Blind Coding Contest | Bhilai Institute of Technology, Durg | Dec 2023

Won the Best Use of Voiceflow API Track Award in HackTheSpace for InfoSetu Project | SSTC, Bhilai | Sept 2024

GirlScript Summer of Code Extended 2024 Contributor | November 2024

Selected in State Level Research Paper Presentation for Deforestation Detection | IEI, Bhilai | March 2025

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## ❖ COURSES & CERTIFICATIONS

Meta Certified Front-End Development Professional | Meta (Coursera) | [Certificate](#) | 2024

MEAN Stack Application Development | Board Infinity (Coursera) | [Certificate](#) | 2024

Deloitte Virtual Internship/ Job Simulation | [Certificate](#) | 2025

Apna College DSA Program | [Certificate](#) | 2025