

Ashutosh Patro

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ABOUT ME

B.Tech Computer Science student at VIT Bhopal with expertise in full-stack development, crafted projects on MERN, NEXTJS and DevOps domain. Proficient in building responsive web applications, using cloud technologies, and implementing AI solutions, with consistent contributions to open-source projects.

EDUCATION

- **VIT University, Bhopal** Oct 2022 – Oct 2026
Bachelor of technology in Computer Science and Engineering (Core) **CGPA: 8.42**
- **Vedic International School, Sambalpur** July 2020 - May 2022
Higher Secondary (Class XII) **83%**
- **Vikash The Concept School, Sambalpur** May 2020
Secondary (Class X) **91%**

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Java, HTML5, CSS3, SQL
- **Frameworks:** React.js, Next.js, Express.js, Node.js, Tailwind CSS
- **Databases & ORM:** MongoDB, PostgreSQL, Prisma ORM
- **DevOps & Cloud:** Docker, Jenkins, AWS EC2, Prometheus, Grafana, CI/CD Pipelines
- **Tools & Platforms:** Git, Linux, GitHub, Cloudinary, Stripe API, GitHub Actions, Bootstrap

PROJECTS AND EXPERIENCE

Auto Infra Dashboard - DevOps Monitoring Platform

[\[GitHub Link\]](#)

- Built real-time DevOps dashboard for AWS EC2 monitoring with 99.8% uptime
- Configured Jenkins CI/CD pipelines with automated testing, reducing deployment failures by 80%
- Deployed Docker containers with efficient configurations, reducing resource usage by 30%
- Integrated Prometheus Grafana and c-ADVISOR for system metrics monitoring across 5 Container
- **Technologies:** Next.js, Node.js, Docker, Linux, Jenkins, AWS EC2, Prometheus, Grafana, GitHub Actions ,

MEDICOHUB AI - Healthcare Management Platform

[\[GitHub Link\]](#)

- Developed healthcare platform with AI symptom analysis achieving 85% accuracy
- Designed secure medical records system with Cloudinary encryption and video consultations, reducing record access time by 60%
- Created patient-doctor communication system with automated report generation, improving workflow efficiency by 35%.
- Optimized Prisma ORM queries and schema design, improving database response times by 50%
- **Technologies:** Next.js, TypeScript, Tailwind CSS, PostgreSQL, Prisma ORM, RESTful APIs

SIKSHA E-Learning Management System

[\[GitHub Link\]](#)

- Architected MERN stack platform supporting 20+ instructors and 100+ students
- Integrated video streaming using Cloudinary with 99% uptime, increasing user engagement by 40%
- Implemented seamless Stripe payment processing with JWT authentication, achieving 99.5% payment success rate.
- Implemented React Hook Form for form handling and RTK Query for data fetching and API management, improving API response times by 20
- **Technologies:** MongoDB, Express.js, React.js, Node.js, Stripe API, Cloudinary, JWT Authentication

CERTIFICATIONS

- **Cloud Computing - NPTEL**
- **MongoDB MERN Stack Certificate - Mind Luster**
- **DevOps Fundamentals - IBM**

ACHIEVEMENTS

- **HACKTOBERFEST 2024 Contribution:** Delivered 4 accepted pull requests to open-source projects on GitHub.
- **Data Structures and Algorithms:** Tackled over 300 problems on LeetCode and GFG.

LANGUAGES AND INTERESTS

Languages: English | Hindi | Odia

Hobbies: Football | Badminton | Gaming