Ashutosh Patro

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EDUCATION

- **VIT University, Bhopal** — Oct 2022 – Oct 2026
  Bachelor of technology in Computer Science and Engineering (Core) — **CGPA: 8.38**

- **Vedic International School, Sambalpur** — July 2020 - May 2022
  Higher Secondary (Class XII) — **82%**

- **Vikash The Concept School, Sambalpur** — May 2020
  Secondary (Class X) — **91%**

Technical Skills

Java, HTML5, CSS3, JavaScript, SQL,React.js, Next.js, Express.js, Node.js, Tailwind CSS , TypeScript, MongoDB, Prisma ORM, Bootstrap,Docker, Jenkins, AWS EC2, Prometheus, Grafana, CI/CD Pipelines, Git, GitHub, Linux, Postman

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

- **MongoDB MERN Stack Certificate** - *Mind Luster*
- **DevOps Fundamentals** - *IBM*
- **Cloud Infrastructure 2025 Certified Foundations Associate** - *Oracle*

ACHIEVEMENTS

- **HACKTOBERFEST 2024 Contribution:** Delivered 4 accepted pull requests to open-source projects on GitHub.

Co-Curricular

Content member, BashCraft Club, VIT Bhopal — **8 months**
- Helped team to create event reports documenting outcomes, feedback, and results while writing promotional content for announcements and social media posts
- Managed content planning and delivery timelines, ensuring quality written materials for club events and maintaining documentation for future reference

LANGUAGES

Languages: English | Hindi