



**Suryansh Verma**  
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## EDUCATION

| Degree/Certificate | Institute/Board  | CGPA/ Percentage | Year     |
|--------------------|--|------------------|----------|
| B.Tech., EE        | National Institute of Technology, Patna                  | 8.26             | Mar 2027 |
| Senior Secondary   | Pt. Deen Dayal Upadhyay Saraswati Vidya Mandir, UP Board | 82.8             | May 2022 |
| Secondary          | Pt. Deen Dayal Upadhyay Saraswati Vidya Mandir, UP Board | 86.17            | May 2020 |

## EXPERIENCE

- **Conference Website**, Full Stack Developer Jan 2025 - Present
  - Built and maintain the [Conference website](#); (full-stack: frontend + backend); Dockerized and deployed on Vercel and Render ensuring reliable, scalable production hosting and rapid updates.
- **Opensource contribution**, Backend Developer Jan 2025 - Present
  - Developed and published a popular CLI tool [create-express-mongo-prod](#) to bootstrap production-ready Express + MongoDB projects with integrated linting, formatting, and Docker support, achieving over 300 downloads in its first month.

## PROJECTS

- **SCS Cloud: Cloud Native Media Processing, Static Delivery, Container Service & Object Storage** Oct 2025  
*Tech Stack: Go, TypeScript, Node.js, React, Kubernetes, Docker, gRPC, PostgreSQL, MongoDB, Redis, AWS S3, Cashfree*
  - Architected cloud-native microservices platform with containerized services on Kubernetes, delivering video transcoding, static hosting, object storage, and container deployment
  - Developed gRPC-based container deployment service with automatic Kubernetes provisioning, enabling users to deploy and manage applications with multi-tenant isolation
  - Engineered automated HLS video transcoding pipeline with queue-based processing, producing multi-resolution streams (1080p/720p/480p/360p) on S3-compatible storage
  - Implemented full-stack static website hosting with automated build pipeline, subdomain routing, cache-optimized delivery, and integrated payment processing
  - Built responsive React frontend with dark mode, payment flows, object storage browser, video transcoding interface, and AI-powered chatbot
- **Scalable Todo Management System with C++ Backend & CI/CD Pipeline** July 2025  
*Tech Stack: C++20, Drogon, CMake, PostgreSQL, Docker, Kubernetes, Jenkins, ArgoCD*
  - Developed a high-performance RESTful API using Drogon C++ with JWT authentication, bcrypt hashing, and PostgreSQL ORM integration.
  - Built custom middleware for authentication, CORS, and async error handling to enhance backend reliability and scalability.
  - Containerized backend and frontend using Docker and configured Kubernetes manifests with Ingress and persistent storage for production deployment.
  - Implemented a CI/CD pipeline via Jenkins integrating GitOps with ArgoCD, automating build, push, and deployment stages.
  - Achieved 99.9% uptime by optimizing Kubernetes deployment for horizontal scaling, secret management, and health monitoring.

## SKILLS

- **Programming Languages**: C++, C, Java, Python, JavaScript, Typescript, Go
- **Frameworks**: React.js, React Native, Next.js, Express.js, Gin, Drogon, Node.js, LangChain
- **Databases**: MongoDB, Redis, PostgreSQL
- **DevOps Tools**: AWS, Docker, Kubernetes, Jenkins, Argo CD, Git
- **Concepts**: Computer Networks, DBMS, OS, OOPS, Bash, Kafka

## CERTIFICATIONS & ACHIEVEMENTS

- Solved **260+** Problems on [Leetcode](#).
- Under Top 5% in NPTEL Joy of Computing using Python by IIT Madras.
- **2000+** contributions on [Github](#).

## POSITIONS OF RESPONSIBILITY

- **Web Team Member**, Hackslash, NITP May 2024 - Present
  - Built and optimized the [Hackslash website](#) team page and [ByteVerse hackathon site](#) using Next.js, Tailwind, and Framer Motion—improved load speed by 40% and reduced bounce rate by 15%.