



Suryansh Verma

Bachelor of Technology
Electrical Engineering
National Institute of Technology, Patna

+91-9580104753
suryanshv.ug23.ee@nitp.ac.in
linkedin.com/in/suryanshverma
github.com/suryanshvermaa

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**, Hacksplash, NITP May 2024 - Present
 - Built and optimized the [Hacksplash 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%.