



# Suryansh Verma

Bachelor of Technology

Electrical Engineering

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., EE	National Institute of Technology, Patna	8.26	March 2027
Senior Secondary	Pt. deen dayal upadhyay saraswati vidya mandir inter college, UP Board	82.8	May 2022
Secondary	Pt. deen dayal upadhyay saraswati vidya mandir inter college, 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 & Object Storage** *Oct 2025*  
*Tech Stack: Node.js, Express, React, MongoDB, Redis, AWS S3, Docker, Kubernetes, Groq SDK*
  - Architected a containerized multi service solution (API, UI, workers) using Node.js/TypeScript + React, orchestrated via Docker and Kubernetes with NGINX ingress.
  - Engineered an FFmpeg HLS workflow producing 1080p/720p/480p/360p renditions, persisted on MinIO, triggered by BullMQ on Redis with automated email notifications.
  - Implemented static site deployment (Vite builds → S3) with Express subdomain routing, SPA fallbacks, and cache optimized NGINX delivery.
  - Delivered secure object APIs (signed URLs, scoped creds), Cashfree billing (SCS Coins), JWT/CORS hardening, and a Groq powered AI bot.
- **Scalable Todo Management System with C++ Backend & CI/CD Pipeline** *July, 2025*  
*Tech Stack: C++20, Drogon, CMake, PostgreSQL, Docker, Kubernetes, Jenkins, ArgoCD*
  - Built high-performance RESTful API using Drogon C++ with JWT authentication and PostgreSQL ORM integration.
  - Implemented custom middleware for authentication, CORS handling, and asynchronous request processing with non-blocking I/O.
  - Automated CI/CD pipeline using Jenkins with Docker containerization and GitOps deployment reducing deployment time.
  - Deployed Kubernetes infrastructure with auto-scaling replicas, persistent storage, NGINX Ingress, and ArgoCD continuous delivery achieving 99.9% uptime.

## SKILLS

- **Programming Languages**: C++, C, Java, Python, JavaScript, Typescript, Go
- **Technologies/Frameworks**: React.js, React Native, Next.js, Express.js, Gin Gonic, Drogon, Node.js, langchain & langgraph
- **Databases**: MongoDB, Redis, Postgres
- **Devops technologies/tools**: AWS, Docker, Kubernetes, Jenkins, Argo CD, Git
- **Concepts & Paradigms**: Computer Networks, DBMS, Operating Systems, OOPS, Bash Script, Kafka

## CERTIFICATIONS & ACHIEVEMENTS

- Solved **260+** Problems on **Leetcode**.
- Under Top 5% in the NPTEL Joy of computing using python conducted by IIT Madras
- **1000+** contributions on **Github**.

## POSITIONS OF RESPONSIBILITY

- **Web Team Member**, Hackslash, NITP *May 2024 - Present*
  - Built and optimized the **Hackslash (NIT Patna) website** team page and the **ByteVerse hackathon site** using Next.js, Tailwind CSS, and Framer Motion—reduced navigation bounce rate by 15%, improved page load speed by 40%, and delivered a responsive, cross-browser UI.