

Utkarsh Gupta

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EDUCATION

National Institute of Technology, Hamirpur

Bachelor's in Electrical Engineering

2027

- Secured funding of Rs.30,000 from **Crescendo Innovation** event [25']
- Won **Third Price in Startech Auction Competition** organised by **Indian Society for Technical Education** [24']
- Won **Interbranch Chess Competition** organised by **NITH** [24']
- Won **Gold medal** in **National Roller Hockey Championship** organized by **RSFI** [20']
- Represented Haryana in **National Chess Championship** & won **Gold medal** at state level twice [20']

SKILLS AND PROFICIENCIES

Languages JavaScript, TypeScript, HTML5, CSS3, Python, C/C++, Firebase, Go

Frameworks & Libraries React.js, Next.js, Node.js, Flask, Socket.io, Redis, Multer, Nodemailer, Googleapis, WebRTC, Go (net/http), Go(Gin)

Databases MongoDB, PostgreSQL, SQL

Tool & Technologies AWS, Docker, Ubuntu, CentOS, Git, Vagrant

EXPERIENCE

Full Stack Developer Intern | WECOFY TECHNOTIDES(OPC) PVT LTD [May 25'-Jun 25']

- Led development of Prithvi Travels Admin Panel using Next.js & Firebase, improving operational efficiency by 30% & reducing page load time by 40% through responsive UI design & backend optimization.
- Integrated 12+ APIs & resolved 15+ bugs, enhancing real-time data sync & improving user flow by 25% across client-facing applications.
- Proposed & implemented three key improvements to data handling & routing protocols, leading to 15% reduction in API latency & faster response times across all connected services.

Full Stack Web Developer | .EXE | NITH

[Nov 24'-Present]

- Architected & launched .EXE website using Next.js, improving page load speed by 45% and increasing mobile responsiveness by 60%
- Enhanced MemeBuzz app's backend with Express.js and improved user experience, driving engagement with over 1,000+ active users

Full-Stack Web Developer | SPEC | NITH

[Aug 24'-Jan 24']

- Trained 200+ students through technical & non-technical workshops focused on backend development, emphasizing Express.js & Node.js fundamentals
- Innovated Compconnect Project, applying modern JavaScript & collaborating with other developers to meet user requirements
- Built Next.js stack web application for college's Eletrothon7.0, engaging 3,000+ users and facilitating 500+ team registrations

PROJECTS

Peer-to-Peer Video Chat Website

[Sept 25']

- Launched real-time random video chat website using WebRTC and sockets, enabling peer-to-peer (P2P) video calls & instant messaging between users
- Streamlined P2P data sharing mechanisms to minimize server dependency & ensure smooth, low-latency communication for randomly matched users

Scalable QR Code Generator with Scan Tracking

[Aug 25']

- Developed full-stack web app (Next.js & Node.js with TypeScript) extending static QR API into platform supporting 100+ bulk DynamicQR generations & one-time use validation with duplicate detection
- Configured and deployed responsive, scalable system on AWS Elastic Beanstalk, enabling fast, reliable deployments & efficient handling of concurrent users

Load Balancer | Go

[Jun 25']

- Devised high-performance Go load balancer handling 10,000+ requests/sec with Least Connections, real-time health checks, atomic operations, and memory pooling.
- Delivered live backend metrics, flexible configuration options, graceful shutdown handling, robust error management, and 85%+ test coverage to ensure production-grade stability & reliability.