

UTKARSH SRIVASTAVA

Full-Stack Developer | AI Systems

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Full-stack engineer building scalable web platforms and AI-powered systems, with experience shipping production applications used by thousands of users.

EDUCATION

UG, JSS University, Noida

2024 – 2028

B. Tech in Computer Science & Engineering (Data Science) | CGPA – 8.9/10

Noida, India

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, TypeScript

Frontend: React, Next.js

Backend: Node.js, Express.js, FastAPI

Databases: MongoDB, PostgreSQL

AI / ML: Computer Vision, YOLOv8, NLP, LLM Integration

Tools & Infra: Git, GitHub, Vercel, Prisma, Supabase

WORK EXPERIENCE

StarkSeek - Software Engineering Intern (Part-time, Remote)

Dec 2024 – Oct 2025

- Built and deployed scalable production-grade full-stack applications using **Next.js, React, and Node.js**; optimized REST APIs and client-side state management, reducing load times by 40%.
- Full stack engineer on Hack4Bihar event platform with **25,000+ visits and 5,000+ registrations**; owned SEO, media handling pipelines using **Cloudinary**, and form submission flows built for high-concurrency traffic.

PROJECTS

e-Nivaran - AI Civic Intelligence Platform | [Live](#)

Feb 2026

Next.js, TypeScript, FastAPI, MongoDB, YOLOv8, NLP, NextAuth, Twilio

- Led full-stack development of AI-powered civic complaint routing platform using Computer Vision and NLP pipelines; **achieved 92% accuracy** with automated multi-department municipal routing.
- Designed **scalable backend** workflows for citizen reporting, departmental dashboards, analytics, and **WhatsApp-based** complaint tracking via **Twilio APIs**.
- Top **30 / 1,000+ teams**, Hack4Delhi 2026 (**Govt. of Delhi**); exhibited at Bharat Mandapam; **800+ visits, 50+ complaints** registered.

Event Portal - Full-Stack Event Management Platform | [Live](#)

Apr 2026

React, Vite, Node.js, Express, PostgreSQL, Prisma, WebSockets, Supabase

- Architected **production-grade** event management platform covering **end-to-end** workflows - registrations, submissions, communications, and operational monitoring.
- Engineered real-time **WebSocket** auction system with **role-based access control**, and modular standalone deployment architecture.
- Live-tested on campus: **10,000+ student reach, 4,500+ visits, 500+ registrations**; hosted one complete real-world event.

ROOTS - AI Sustainability Platform | [Live](#)

Aug 2025

Next.js, TypeScript, Node.js, MongoDB, YOLOv8, Python

- Led full-stack development of an eco-action verification platform; integrated YOLOv8 Computer Vision pipeline achieving **90%+ accuracy** with reward logic, leaderboards, and analytics.
- Designed **REST APIs**, JWT-based authentication, and **MongoDB** data models for multi-user production workflows.
- Global Finalist, **IEEE YESIST12 2025, Malaysia** - Top 30 / 3,000+ teams.

POSITIONS OF RESPONSIBILITY

Vice President - Entrepreneurship Development Cell (EDC), JSS University

Apr 2025 - Present

- Promoted from Technical Head to Vice President; leading 80+ member cross-functional team, executed 15+ events, mentored 250+ students, and driving technical operations across EDC initiatives.

Webmaster - IEEE JSS University Student Branch

Oct 2024 - Present

- Developed and maintained official IEEE branch web platform; managed technical ops and digital infrastructure for 10+ events.

AWARDS & ACHIEVEMENTS

- Published IEEE research paper** on offline Edge-AI for rural classrooms - Raspberry Pi system with multimodal HCI and ~\$300/classroom deployment model. (*IEEE Conference Record #67678*)
- Global Finalist, IEEE YESIST12 2025, Malaysia** - Top 30 / 3,000+ teams
- Top 30 / 1,000+ teams, Hack4Delhi 2026 – Selected by **Govt. of Delhi**; exhibited at Bharat Mandapam
- Ranked under Top 10% Worldwide**, IEEE Xtreme 19.0 - 19,000+ participants (C++)
- Top 5, Convergen Hackathon 2024 | Top 10, BizTech Ideathon (NDIM) | Grand Finalist, HackWithUP
- 1st Prize, Project Presentation - IEEE | **200+ DSA problems** (LeetCode, GFG, Hacker Rank)