

Nishant Kumar

+91 9122992931 | nishantk.ug22.cs@nitp.ac.in | nishantkumarfps@gmail.com
[Linkedin](#) | [Github](#)

Education

National Institute Of Technology, Patna	CGPA: 9.25
Computer Science and Engineering	2022 - 2026
Shri Hemraj Das Govt High School, Chauradano	Percentage: 83.4
BSEB Board, Bihar	2021
Jeewan Public School, Lakhaura	Percentage: 95.0
CBSE Board, Bihar	2019

Technical Skills

Programming Languages: Python, Java, C, JavaScript, HTML, CSS
Frameworks: Django, Django Rest Framework, Node.js
Databases: MySQL, MongoDB, SQLite, PostgreSQL
Tools: Git, GitHub, Docker, PyCharm, VS Code
Libraries: React.js, NumPy, pandas, Bootstrap
CS Fundamentals: Object-Oriented Programming, Operating Systems, Computer Networks, Database Systems

Work Experience

National Institute of Technology, Patna	April 2024 – Present
Official Website Developer	Hybrid
<ul style="list-style-type: none">• Spearheaded a team of 5 developers to revamp the official website for 10 departments, improving user experience by 30% and engagement by 15%. Optimized navigation, increasing overall satisfaction by 25%.• Engineered 50+ high-performance web pages with Next.js and Tailwind CSS, ensuring seamless responsiveness and accessibility. Achieved a 25% boost in mobile traffic and 20% faster page load times.	

Projects

VoiceLedger Project Link GitHub Link Django, OpenAI Whisper, AWS EC2, Amazon RDS, PostgreSQL	January 2025
<ul style="list-style-type: none">• Built an AI-driven voice-based bookkeeping system where shopkeepers record transactions via voice notes (15s), enabling automated financial tracking.• Integrated OpenAI's Whisper model to transcribe and extract transaction details, processing 1000+ voice entries daily with nightly batch automation via Celery.• Deployed on AWS EC2 with a PostgreSQL database on Amazon RDS, ensuring scalability, 99.9% uptime, and 40% performance optimization.	
Real Estate Management System GitHub Link Django, Next.js, PostgreSQL, Redis, Cloudinary, Mailpit	May 2024
<ul style="list-style-type: none">• Developed a real estate platform for issue reporting, tenant communication, and task automation, reducing response time by 30% and enhancing security by 25%.• Engineered a responsive UI with Next.js and Tailwind CSS, increasing mobile traffic by 25%, reducing load times by 40%, and integrating JWT authentication, Google login, and Cloudinary for image storage.• Optimized performance and scalability by leveraging Redis caching, deploying via Docker, and ensuring seamless cloud-based storage with PostgreSQL.	

Achievements

EY Techathon 5.0: Selected for **Round 2** among **45 teams**, out of **9.85 million+ applicants**, in EY Techathon .

JEE Mains & Advanced: Scored **98.4 percentile** in JEE Mains (2022), ranking in the **top 1.6%** among 1.3 million+ candidates. Qualified **JEE Advanced**, one of India's most competitive engineering entrance exams.

Competitive Programming:

- [Leetcode](#) | **Rating: 1866** | **Knight**
- [Codechef](#) | **Rating: 1701** | **3-Star**
- [CodeForces](#) | **Rating: 1300** | **Pupil**

Certificates

Graph Theory Programming Bootcamp 	AlgoUniversity	January 2025
The Joy of Computing Using Python 	NPTEL	October 2024
Python and Django Full Stack Web Developer Bootcamp 	Udemy	March 2024
Learn JAVA Programming - Beginner to Master 	Udemy	March 2023

Hobbies & Interests

- Engaging in outdoor sports like **cricket** and **football** to enhance **teamwork**, **strategy**, and **physical fitness**.
- Listening to **music** for **relaxation** and **creativity**, exploring diverse genres to match different moods.