

# RAUNAK SINGH

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## SUMMARY

Passionate software engineer with strong foundations in data structures, algorithms, and system design. Experienced in full-stack development (MERN) and AI/ML using TensorFlow, PyTorch, and OpenCV. Built scalable applications with JWT auth, payment gateways, real-time chat, and NLP-based automation. Eager to apply problem-solving skills and technical expertise to impactful engineering challenges.

## WORK EXPERIENCE

### Website Developer Intern, KlothesZ

June 2024 - January 2025

- Led development of a production-ready eCommerce website using React.js, Next.js, Node.js, and MongoDB.
- Implemented user authentication (JWT), admin product management, order tracking, and Razorpay payments.
- Collaborated with design and marketing teams to launch a responsive UI optimized for mobile and SEO.

## PROJECTS

### DevGram – Developer’s Social Media | React, Node.js, MongoDB, Tailwind CSS, Socket.io

- Built a full-stack developer-focused social media platform supporting Markdown-based blogs, profile management, and real-time chat using WebSockets

### AI Chatbot – NLP-Based Customer Support Assistant | Python, NLTK

- Built a chatbot using NLP techniques for automating customer queries
- Integrated with a basic web UI using Flask

### TestMe – Coding Practice App | Python

- Created a terminal quiz app using Python OOP, with timed challenges and topic tagging (DSA, Aptitude).

## SKILLS

- **Programming Languages:** Python, C, C++, Java
- **CS Fundamentals:** Data Structures & Algorithms, Object-Oriented Programming, Operating Systems
- **Machine Learning Frameworks:** TensorFlow, Keras, PyTorch, Scikit-Learn
- **AI/ML Tools:** Pandas, NumPy, OpenCV, YOLO
- **Dev Tools:** Git, Docker, VS Code, GitHub, Postman, Netlify, Vercel, AWS, Firebase Hosting
- **Frontend:** HTML, CSS, JavaScript, React JS, Vercel, Node JS, Tailwind CSS, GSAP, Framer
- **Backend:** Node.js, Express.js, Firebase, RESTful APIs
- **Databases:** MongoDB, PostgreSQL, MySQL

## EDUCATION

### Amity University Patna

August 2022 - June 2026

B.Tech in Computer Science

### Litera Valley School

2020-2022

Intermediate

### Don Bosco Academy

2020

Matriculation

## CERTIFICATIONS

### Deloitte Australia Technology Job Simulation on Forage - June 2025

- Completed a job simulation involving development and coding

### Drone and Allied Technology, CDAC Patna - September 2024

- Acquired skills and knowledge in drone technology, including design, operation, and allied tech.