

Nishant Gaur

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EDUCATION

Indian Institute of Information Technology, Kottayam

Nov 2022 – May 2026

Bachelor of Technology in Electronics and Communication Engineering

RELEVANT COURSEWORK

Data Structures and Algorithms, MATLAB, Computer Networks, Operating Systems, DBMS, OOPS

TECHNICAL SKILLS

Languages: C/C++, Python, Java, JavaScript

Frontend: HTML5, CSS3, React.js, React Native, Vue.js

Backend & Frameworks: Node.js, Express.js, Django, Flask, Spring Boot, REST API, FastAPI

Databases: MySQL, PostgreSQL, MongoDB

DevOps & Tools: Docker, Git, Postman, Vercel, Render, Heroku, GitHub, Linux

Libraries & Others: NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch

PROJECTS

Django Web App | Python, Django, Bootstrap, JavaScript

GitHub

- Developed secure user authentication and CRUD repository management (create, read, update, delete) for personal repositories.
- Added file upload and sharing with support for 5 file types (.pdf, .docx, .png, .jpg, .txt); enforced a 50 MB server-side size limit and enabled download tracking.
- Integrated profile management using Pillow to validate and auto-resize profile images (max 512×512 px) and generated thumbnails; used django-crispy-forms for responsive profile forms.

Poll App | Django Framework

GitHub

- Built a Django polling platform with user registration, voting, and real-time vote updates (WebSocket/AJAX).
- Established role-based access control with 3 roles — admin, poll owner, voter — granting owners privileges to create and administer polls and choices.
- Enforced data integrity with a database-level unique constraint on (user_id, poll_id) and server-side validation to prevent duplicate votes; final results are archived for closed surveys.
- Designed search, filter, and pagination (10 items per page) and allowed up to 20 choices per survey to improve discoverability and flexibility.

Rescue Meals | MongoDB, Express.js, React.js, Node.js, Bootstrap

GitHub

- Conceptualized an intuitive Food Waste Management System for a local soup kitchen, subsequently slashing volunteer hours by 30 hours weekly by refining and accelerating food distribution procedures.
- Secured app with JWT auth, role-based access, and integrated **Razorpay** for payments.

AskIQ | React.js, Gemini API, TailwindCSS

GitHub | Live Demo

- Engineered an AI-powered chatbot interface supporting markdown-rendered responses and syntax-highlighted code blocks.
- Implemented chat grouping, persistent history storage, and one-click copy-to-clipboard to enhance usability.
- Optimized API integration and response handling, leveraging TailwindCSS for styling and reducing latency by **30%**.

Expense Tracker | React.js, Bootstrap, Node.js, Express.js, MongoDB

GitHub | Live Demo

- Pioneered a web application for personal and business expense management, enabling users to categorize transactions and track spending with real-time insights.
- Integrated **Chart.js** for interactive visualizations, which boosted user engagement by **40%** within the first month.

ACHIEVEMENTS

- Solved 200+ problems on LeetCode and GeeksforGeeks strengthening algorithmic problem-solving, debugging, and complexity-analysis skills.
- Secured top spot in SIH 2024 Internal Hackathon with SchemeHub India project.
- Delivered a HealthTech solution at Hackzilla Hackathon, competing with 200+ participants.