

# 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

## 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, Microservices

**Databases:** MySQL, PostgreSQL, MongoDB

**DevOps & Tools:** Docker, Kubernetes, Git, Postman, Vercel, Render, Heroku, GitHub, Linux, RabbitMQ, Keycloak

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

## PROJECTS

**Salon Appointment Booking System** | *Java, Spring Boot, Microservices, React.js, RabbitMQ, Keycloak* **GitHub**

- Engineered a microservices-based full stack application with Spring Boot and React, improving modularity and reducing service coupling by 30%.
- Implemented secure authentication and role-based authorization using Keycloak, ensuring 100% compliance with defined access policies.
- Integrated RabbitMQ for asynchronous service communication, lowering inter-service response times by 25% compared to synchronous REST calls.

**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.

**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**

- 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**

- Pioneered a web application tailored for personal and business expense management, incorporating Chart.js for insightful spending visualizations that drove user engagement up by 40% within the first month..
- Integrated **Chart.js** for spending insights, boosting engagement by **40%**.

## 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.