Sandeep Gupta

2022UG1100
Bachelor of Technology
Computer Science and Engineering
Indian Institute Of Information Technology, Ranchi

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EDUCATION

•**Indian Institute Of Information Technology, Ranchi**   *2022-26*
B.Tech (Computer Science and Engineering)

TECHNICAL SKILLS

Languages: C/C++, JavaScript, TypeScript, Python, SQL
Backend: Node.js, Express.js, RESTful APIs, Java Spring Boot (basic)
Frontend: React.js, HTML5, CSS3, Tailwind CSS
Databases: MySQL, PostgreSQL, MongoDB
DevOps Tools: Git, GitHub, Docker, Postman, AWS, CI/CD
Concepts: Data Structures and Algorithms, OOP, DBMS, Client-Server Architecture, Agile/Scrum
Soft Skills: Problem-Solving, Collaboration, Adaptability, Curiosity

POSITIONS OF RESPONSIBILITY|EXPERIENCE

•**Web Developer Intern - Code IT Solution Pvt. Ltd.**   *Web development*
Remote   June - July 2024

- Improved UI/UX and optimized frontend performance using React.js and RESTful API integration.
- Implemented API testing and debugging using Postman to ensure reliability.
- Collaborated in Agile sprints with cross-functional teams to deliver production-ready features.

•**E-Cell, IIIT Ranchi - Coordinator, Social Media & Marketing**   *April 2023 - Present*
Ranchi

- Analyzed user engagement metrics to design data-driven digital strategies, increasing reach by 40% across platforms.
- Collaborated with design and development teams to ensure consistent UI/UX across web and promotional interfaces.
- Automated content scheduling and analytics, boosting campaign efficiency and team coordination.

PERSONAL PROJECTS

−**Quick AI: AI-Powered SaaS Platform** ⭘ **Live**
Personal Project | Built with PERN Stack, OpenAI, and Gemini

* Developed a full-stack SaaS platform providing AI tools like blog generation, image creation, and resume analysis.
* Built secure REST APIs using Node.js, Express, and PostgreSQL (Neon), integrated OpenAI and Gemini models.
* Implemented authentication and billing with Clerk; used Cloudinary and Clipdrop for media processing.
* **Tech: React.js, Node.js, Express, PostgreSQL, Clerk, OpenAI, Gemini, Cloudinary**

−**Airline Booking System: Microservices API** ⭘
Full-Stack Project | Scalable Reservation Platform

* Designed microservices for user authentication, flight search, and flight booking, notification, API gateway.
* Implemented asynchronous communication using RabbitMQ, enabling scalable booking workflows.
* **Tech: Node.js, Express, MySQL, Sequelize, RabbitMQ, REST API, JWT, Microservices**

−**Router Endpoints Detector: API Route Analysis Npm Package** ⭘ **npm-package**
Open Source | 180+ Downloads

* Developed a static CLI tool to automatically detect and document API routes in Express applications.
* Implemented framework-agnostic route analysis using AST parsing with Acorn and Acorn-walk.
* Released a zero-config, plug-and-play CLI with customizable output formats, decreasing setup time by 50% and increasing adoption.
* **Tech: Node.js, JavaScript, CLI, AST, Acorn, Express.js, Static Analysis, npm**

ACHIEVEMENTS

- Selected for the **Harvard Aspire Leaders Fellowship 2024**.
- Contributed 10+ PRs in **Hacktoberfest 2024** and participated in **GSSoC 2024**.
- Achieved **2-Star rating on CodeChef** (max rating 1500) and solved 300+ problems on **LeetCode**.
- Published **npm package "routender"** with 180+ downloads for Express route analysis.