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, Python, SQL
Backend: Node.js, Express.js, RESTful APIs, Java Spring Boot (familiarity)
Frontend: React.js, HTML5, CSS3, Tailwind CSS
Databases: MySQL, PostgreSQL, MongoDB (SQL/NoSQL)
Tools & Version Control: Git, GitHub, Docker, Postman
Soft Skills: Problem-Solving, Collaboration, Curiosity, Adaptability
Concepts: Object-Oriented Programming (OOPs), Data Structures & Algorithms (DSA), Client-Server Architecture, Agile/Scrum Software Development

POSITIONS OF RESPONSIBILITY|EXPERIENCE

• **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.

• **Web Developer Intern - Codetech 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 with Postman.
- Worked with cross-functional teams in Agile sprints to deliver quality features through collaboration and code reviews.

PERSONAL PROJECTS

– Quick AI: AI-Powered SaaS Platform Live

Personal Project | Built with PERN Stack, OpenAI, and Gemini

* Developed a full-stack SaaS platform offering AI tools: blog/article generation, image creation, background removal, and resume analysis.
* Used Clerk for secure authentication and dynamic billing; integrated Cloudinary and Clipdrop for image processing.
* Built scalable REST APIs using Node.js, Express, Multer, and PostgreSQL (Neon); integrated OpenAI and Gemini models for generative tasks.
* **Tech: React.js, Node.js, Express, PostgreSQL, Clerk, OpenAI, Gemini, Cloudinary**

– Airline Booking System: Microservices API

Full-Stack Project | Scalable Reservation Platform

* Engineered a modular airline booking platform with microservices for auth, flights, bookings, and payments.
* Implemented RESTful APIs secured with JWT, enabling scalable flight search and transactional workflows.
* Integrated RabbitMQ for asynchronous, event-driven communication across distributed services.
* **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 prestigious **Harvard Aspire Leaders Fellowship** (2024). Certificate
- Achieved **2-Star** rating on **CodeChef** with a maximum rating of **1500**. Profile
- **Hacktoberfest 2024**: 10+ PRs merged across diverse open-source projects.
- **GSSoC 2024**: Part of GSSoC 2024 and contributed successfully as an open-source contributor.
- Solved over **300+ DSA/CP** problems on platforms like CodeChef and LeetCode.