Sujal Kumar Saini

Full Stack Developer | C.S.E. CORE (B.Tech.) | R.I.S.U. Bhilai C.G. | India

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WORK EXPERIENCE

INFOSYS SPRINGBOARD

Software Development Intern   Oct 2025 - Dec 2025

- Developed a responsive web application using React.js and TailwindCSS, improving user engagement by 20%.
- Developed a high-performance RESTful API using FastAPI under mentor guidance, enabling seamless data flow between frontend and backend and ensuring faster processing speeds.
- Optimized **MongoDB** queries to reduce response time by 20% and enhanced security in **FastAPI** by implementing **bcrypt** password encryption and a stateful authentication system with **ResendAPI** email verification for improved user onboarding.
- Integrated **YOLOv8n Nano** with the **DeepSort** algorithm in a Python-based video analytics project for accurate crowd counting and zone analysis, and deployed the application on **Render**.

EDUCATION

- **R.I.S.U. Bhilai Chhattisgarh**
  B.Tech. Degree | CGPA: 7.8/10.
- **Aditya Birla Public School, Renusagar, Sonebhadra (U.P.)**
  12th | Percentage: 71%.
- **D.A.V. Public School NCL Kakri Project, Sonebhadra (U.P.)**
  10th | Percentage: 86%.

PROJECT

Cloudee:

- Developed **Cloudee**, an Android cloud-based image storage app using React Native CLI, implementing image compression with React-Native-Compressor and uploading media to Cloudinary.

- Implemented **stateful user authentication** with email verification using NodeMailer, improving account security and enhancing the user onboarding experience.
- Built a **Node.js and Express.js backend** with Cloudinary integration for image storage and MongoDB for managing media records, and deployed it on Vercel for fast and reliable performance.

Aithor:

- Engineered **Aithor**, an AI-enabled Android application leveraging the Qwen LLM through OpenRouter to deliver precise, concise text summaries and enhance user understanding.
- Implemented the UI with **React Native CLI** and **React Native Paper**, improving overall app performance and raising user engagement by **15%**.

SafeNews AI:

- Designed and deployed a **RAG-based FastAPI backend** integrated with **DuckDuckGo search** for real-time fact retrieval and claim analysis, and built a **React.js + Tailwind CSS frontend** to deliver a fast and seamless user experience.
- Dockerized the FastAPI backend and configured it to serve the React.js and Tailwind CSS frontend, then deployed the full stack on Render for scalable performance and accurate fact-analysis processing.

SKILLS

- Languages: C/C++, Python, JavaScript, Go, Java, HTML5, CSS.
- Frameworks and Library: React.js, React Native CLI, Expo, FastAPI, Tailwind CSS, Zustand, Next.js.
- Cloud/Databases and Technologies: Express.js, Node.js, Docker, MongoDB, MySQL, Microsoft Azure Services, Kubernetes.

KEY LINKS

- Portfolio: https://sujalsaini3304.netlify.app/
- Cloudee: https://github.com/sujalsaini3304/resume-project-apk-file/releases/download/v1.0.3/Cloudee_v1.0.3.apk
- Aithor: https://github.com/sujalsaini3304/resume-project-release-aithor-apk-file/releases/download/v1.0.1/Aithor_v1.0.1.apk
- SafeNews AI: https://safenews-ai.onrender.com