

# 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, reducing response time by 20%, and secured sensitive data such as passwords by encrypting them with bcrypt in a FastAPI.
  - Integrated a stateful authentication system with email verification for user registration and verification using ResendAPI, enhancing account security and user onboarding.
  - Integrated YOLOv8n.pt Nano with the DeepSort algorithm in a Python-based video analytics project to perform accurate crowd counting and zone analysis.
  - Deployed the application on Render platform.

## EDUCATION

- **R.I.S.U. Bhilai Chhattisgarh**  
B.Tech. Degree | CGPA - 7/10.
  - **Aditya Birla Public School, Renusagar, Sonebhadra (U.P.)**  
12<sup>th</sup> | Percentage - 71%.
  - **D.A.V. Public School NCL Kakri Project, Sonebhadra (U.P.)**  
10<sup>th</sup> | Percentage - 86%.

PROJECT

Cloudee  :

- Developed Cloudee, an Android cloud-based images storage application, which compresses user images using the React-Native-Compressor library and uploads them to Cloudinary via a React Native CLI app.

- Implemented a stateful authentication system with email verification for user registration via NodeMailer, strengthening account security and improving the onboarding experience.
- Developed a backend server using Node.js and Express.js, configured Cloudinary for image storage, and used MongoDB to manage media records efficiently.
- Built a full-stack application using React Native CLI, Node.js, Express.js, Cloudinary, and MongoDB, and deployed the backend on Vercel to achieve faster response times.

#### 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%**.

#### FakeNewsDetectorApp [🔗](#) :

- Designed and deployed a **RAG-based FastAPI backend** integrated with DuckDuckGo search to retrieve real-time facts and analyze claims, significantly improving the accuracy and reliability of generated responses.
- Built the frontend with **React.js** and **Tailwind CSS**, ensuring a fast, clean, and seamless user experience.
- Deployed the **React.js and Tailwind CSS frontend on Vercel** and the **FastAPI backend on Render**, supporting scalable processing and accurate fact-analysis operations.

## SKILLS

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- Languages: C/C++, Python, Javascript, go, Java, HTML5, CSS.
- Frameworks and library: React.js, React Native CLI, Expo, FastAPI, TailwindCSS, Zustand, Next.js.
- Cloud/Databases and Technologies: Express.js, Nodejs, Docker, MongoDB, Mysql, Microsoft Azure Services, Kubernetes.

## ACHIEVEMENT

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- Attained **99/100 in Class 10 Mathematics**.
- Achieved **2nd place** in an interschool chess competition.