

# SANJAY J K

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## PROFESSIONAL SUMMARY

Focused Intern with academic background in coding, testing and quality assurance. Collaborates well with teammates while performing effectively in autonomous roles. Leverages strong technical prowess and resourceful approach to meet challenges.

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## SKILLS

- C++ | C | Java | Python
  - Progressive web apps
  - Front End Web Development
  - Backend Development
  - MongoDB
  - Machine Learning
  - Deep Learning
  - Generative AI
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## WORK EXPERIENCE

### ValSCO Technology

#### Frontend Developer Intern

June 2024 -

September 2024

- Collaborated on designing and developing NoteSwap, a web platform for renting academic notes, and a website for School Alumni using ReactJS.
  - Implemented dynamic features and user-friendly interfaces using ReactJS, reducing page load times by 20% and enhancing responsiveness.
  - Utilized modern front-end technologies and practices to deliver a fully functional and intuitive website.
  - Achievement: Improved note-offering processes for students gaining valuable experience in ReactJS and front-end development.
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## PROJECTS

### Collaborative Docs | [Live Demo](#)

- Built a real-time collaborative document editor using **Next.js** and **Convex**.
- Features: team creation, member invites, shared editing.
- Focus: Boosted productivity for distributed teams.

### Language Exchange Platform | [Live Demo](#)

- Built a real-time messaging and video calling platform to support global language learning and cultural exchange.
  - Features: 1-on-1 and group video calls, screen sharing, real-time chat with typing indicators, JWT authentication, and 32 unique UI themes.
  - Stack: React, TailwindCSS, ExpressJS, MongoDB, Zustand, TanStack Query.
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## EDUCATION

### B.Tech.(CSE)

CGPA: 9.39

Vellore Institute of Technology, Vellore

### High School

CBSE Score: 93.5%

JEE Mains: 98.03%

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## ACHIEVEMENT

### UKIERI 2025 Research Scholar - Heriot-Watt University, UK

- Among 9 selected for UK-India Bilateral Research Exchange (Strand 2), funded by British Council & SPARC.
- Applied CS thinking to experimental hydrogen research—data analysis, system modeling, and research optimization.

### Leadership & Clubs

- **Senior Core Member**, CodeChef VIT & TAM-VIT (AI/ML Club)
- Organized coding events, workshops, and mentorship sessions.