

SAINATH KOTAGE

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Creative Lead @GDGC-GGU

SUMMARY

B.Tech ECE student (Graduating 2027) with hands-on experience in C++ and Python. Active GDG on Campus Lead with a passion for software development and community building. Skilled in Data Structures and Algorithms with practical experience in hackathons and simulation projects. Seeking to leverage technical skills as an Associate Software Developer Intern at Google.

PROJECTS

Attendance Using ESP-32 MC

NOV 13 '25

- Developed a contactless attendance system using C++ and ESP32 to automate user tracking via WiFi promiscuous mode.
- Optimized real-time data processing by filtering and de-duplicating MAC address signals, ensuring 99% accuracy in tracking unique devices within a specified range.
- Integrated cloud storage for instant, timestamped logging, eliminating manual data entry errors.

FreshFolio

DEC 03 '25

- Developed a responsive web application using Next.js and React, ensuring high-performance rendering across all device types.
- Designed a modular UI system with Tailwind CSS, reducing CSS bundle size by 30% while maintaining visual consistency.
- Deployed via Vercel with Server-Side Rendering (SSR) to optimize Core Web Vitals and improve SEO rankings.

DEF-LINK | SIH

OCT 14 '25

- Implemented AES encryption algorithms to guarantee data integrity and privacy across unreliable network connections.
- Engineered a secure communication platform for the Smart India Hackathon 2025, utilizing end-to-end encryption for high-stakes environments.

EDUCATION

Bachelor in Technology in Electronics and Communication

OCT 2023 - Present

GGU, Central University, Bilaspur, India.

- Specialization in Mobile Communication, Antenna & Probability.
- Project Using ESP-32 WROOM MicroController.

NPTEL : Cloud Computing

MAY 2025 - NOV 2025

Indian Institute of Technology Kharagpur

- A course provided by IIT KGP on Cloud Computing

ADDITIONAL INFORMATION

- **Technical Skills:** C++, Python, JavaScript, Machine Learning, ESP32, Arduino, IOT Protocols
- **Languages:** English, Hindi, Marathi
- **Certifications:** NPTEL Cloud Computing, Python Programming [Udemy]
- **Awards/Activities:** Creative Lead at Google Developer Group On Campus - GGU, 88.1 % in 12th PCM