

SAGAR G

Software Developer | Frontend & Full Stack Software Engineer | 2026 Batch

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PROFESSIONAL SUMMARY

B.Sc graduate in Mathematics & Computer Science from St. Joseph's University, Bengaluru (2026), with strong CS fundamentals in Python, object-oriented programming, data structures & algorithms, and database design. Hands-on experience across the full software development lifecycle — requirements, design, coding, testing, and debugging — built while delivering a production-grade, 20+ screen application as part of a 3-person team. Comfortable with Git-based version control, Agile practices, and writing clean, maintainable code in collaborative, cross-functional settings. Research background in cybersecurity, with proven ability to problem-solve, self-learn, and contribute from day one.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, C++, JavaScript, Dart
- **CS Fundamentals:** Object-Oriented Programming (OOP), Data Structures & Algorithms, DBMS, Operating Systems, SDLC, Agile Methodologies
- **Software Practices:** Debugging & Troubleshooting, Code Reviews, Unit/Functional Testing, Clean Code Principles, Version Control (Git/GitHub)
- **Backend & Database:** RESTful API Design, PostgreSQL, SQL, Supabase, Row Level Security (RLS)
- **Mobile & Web:** Flutter, Dart, Provider (State Management), Android, HTML5, CSS3, JavaScript (ES6+)
- **Tools & Platforms:** Linux, Git, GitHub, Android Studio
- **AI-Assisted Development:** ChatGPT, Claude, Antigravity

EDUCATION

Bachelor of Science — Mathematics & Computer Science 2023 – 2026

St. Joseph's University, Bengaluru

Pre-University Course (PCMC) 2020 – 2022

St. Francis Composite PU College, Bengaluru

SSLC 2019 – 2020

New Bishop Cotton English High School, Bengaluru

PROJECTS & ACADEMIC EXPERIENCE

INK App — Role-Based Social Media Mobile Application Academic Capstone | Remote Internship, Eco Dispose

Flutter • Dart • Supabase (PostgreSQL) • Provider • RESTful APIs • SQL • Agile/SDLC

- Collaborated in a cross-functional team of 3 across the full SDLC — requirements, design, implementation, testing, and debugging — to ship a 20+ screen production-ready app with three user roles (Admin, Brand, Customer).
- Applied object-oriented design principles to model a relational PostgreSQL schema supporting multi-role relationships, content feeds, and referential integrity.
- Implemented Role-Based Access Control (RBAC) with Row Level Security (RLS) and JWT-based auth for secure, role-accurate data access.
- Designed and debugged RESTful APIs with real-time subscriptions for live feed updates and session-persistent login routing, using Git/GitHub for version control and peer code reviews.
- Presented the system design and implementation to a judging panel and external faculty, who praised its technical depth and execution.

SAGAR OS — Interactive Developer Portfolio Personal Project

HTML5 • CSS3 • JavaScript • Git/GitHub • Vercel • Google Antigravity

- Designed and developed an OS-inspired responsive portfolio with adaptive mobile and desktop interfaces, interactive applications, and recruiter-focused navigation.
- Built interactive features including a portfolio assistant, project showcase, file/certificate explorer, profile widget, desktop window interactions, and Recruiter Mode.
- Deployed the portfolio on Vercel with source code maintained on GitHub; used Google Antigravity as an AI-assisted development tool.

Cyber Crime in Urban Bengaluru: Emerging Threats and Countermeasures Academic Research Paper

- Researched cybercrime patterns (phishing, financial fraud, identity theft) and mapped them to CERT-In advisories; ran a structured survey and applied statistical analysis to identify awareness gaps.
- Built a threat taxonomy of 12 cybercrime typologies, including OLX scams, AI voice/face fraud, and UPI fraud, and proposed mitigation strategies.

TECHNICAL EVENTS

St. Joseph's University — Elixir Open Day (Exhibition)

- Built a browser-based Stickman Game in vanilla JavaScript (game loop, collision detection, keyboard events) and an RFID/Arduino-based Automatic Ambulance Detection System for traffic signal pre-emption, in teams of 7 and 8.

LEADERSHIP & EXTRACURRICULARS

- **Technical Head, Kannada Sangha** — St. Joseph's University: led AV production, live streaming, and digital promotions for 500+ students.
- **Program Coordinator, Kannada Sangha:** coordinated 8 Technical Heads for a 500+ participant, 20-event inter-college fest.
- **NSS Annual Rural Camp Member:** community outreach and rural development initiatives.

COURSES & CERTIFICATIONS

Infosys Springboard: Java for Beginners, Introduction to Artificial Intelligence, Cyber Security Foundation, Cyber Security Awareness

Languages: English, Kannada, Hindi | Interests: Video Editing, Content Creation