

Sanjay Kumar S

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Professional Summary

Information Technology undergraduate with a CGPA of 8.19/10 and practical experience in Full Stack Development, Software Engineering, Software Development, Web Application Development, Artificial Intelligence, Database Management, and Cloud Computing. Skilled in designing responsive front-end interfaces, developing scalable back-end services, building REST APIs, integrating databases, and deploying cloud-based web applications. Proficient in JavaScript, React, Node.js, MySQL, MongoDB, Python, and Java. Experienced in collaborating with development teams to build reliable, maintainable, and user-focused software solutions. Strong foundation in Computer Science principles, Agile development practices, and modern Software Engineering methodologies.

Technical Skills

Programming Languages: Python, Java, JavaScript, SQL, C++

Front-End Development: HTML5, CSS, CSS3, JavaScript, React, Responsive Web Design

Back-End Development: Node.js, Express.js, PHP, REST APIs

Databases: MySQL, MongoDB, SQLite

Cloud Deployment: AWS, Cloud Computing, Vercel, Render, Web Hosting, Deployment

Tools Platforms: Git, GitHub, Postman, Linux, Visual Studio Code

Software Engineering Computer Science: Software Development, Software Engineering, Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Agile Development, SDLC, API Integration

Experience

Web Development Intern

March 2026 – September 2026 (Expected)

RootPro Technologies

- Developed and maintained responsive web applications using PHP, HTML5, CSS, CSS3, JavaScript, and MySQL.
- Collaborated with developers and designers to implement front-end and back-end features for client web applications.
- Integrated Razorpay Payment Gateway and REST APIs to improve application functionality and reliability.
- Maintained production databases, deployment environments, and live web applications for continuous operation.
- Utilized Git and GitHub for version control, code reviews, Agile software development workflows, and team collaboration.
- Contributed to software engineering activities including testing, debugging, maintenance, and application deployment.

Projects

Project Management System

- Developed a full stack web application for project tracking and task management.
- Designed responsive front-end interfaces using HTML5, CSS, CSS3, JavaScript, and React.
- Built scalable back-end services using Node.js and Express.js.
- Developed REST APIs and API integrations for secure client-server communication.
- Integrated MySQL database for efficient data storage, retrieval, and database management.
- Applied software engineering principles, version control, and Agile development practices using Git and GitHub.

Vision Caption AI

- Developed an AI-powered image caption generator using BLIP Transformer models.
- Generated meaningful image descriptions using deep learning and computer vision techniques.
- Implemented image processing workflows using Python, PyTorch, Pillow, and Hugging Face Transformers.
- Improved caption quality through model testing, optimization, and software development practices.

Rule-Based Chatbot

- Built a chatbot using Python and NLP-based pattern matching techniques.
- Designed conversation workflows for automated user query handling.
- Managed user interaction data using SQLite database systems.

Education

Jeppiaar Engineering College	Expected May 2027
Bachelor of Technology (B.Tech) – Information Technology	
CGPA: 8.19 / 10	
Indiranagar Composite PU College	2023
Pre-University Course (PUC)	
Percentage: 79.64	
S.M.K HIGH SCHOOL	2021
SSLC	
Percentage: 77.92	

Certifications

- AI Fundamentals: Foundations for Understanding AI – IBM SkillsBuild
- Complete Front End Development – Infosys Springboard
- Introduction to MySQL – Infosys Springboard
- MongoDB Fundamentals – Infosys Springboard

Achievements

- Earned HackerRank Python 3-Star Badge.
- Earned HackerRank Problem Solving 2-Star Badge.
- Completed 4 industry-recognized certifications in AI, Front-End Development, MySQL, and MongoDB.
- Runner-Up in FuturaX 2025 Poster Making Competition.
- Developed 3 software projects involving Full Stack Development, Artificial Intelligence, and NLP.

Relevant Coursework

- Data Structures and Algorithms
- Database Management Systems
- Object-Oriented Programming
- Computer Science Fundamentals
- Artificial Intelligence Fundamentals

Core Competencies

Full Stack Development, Front-End Development, Back-End Development, Software Development, Software Engineering, Computer Science Fundamentals, Web Application Development, Cloud Computing, Cloud Deployment, API Integration, Database Design, Application Maintenance, Reliability Engineering, Agile Development, Team Collaboration, Problem Solving

Languages

English (Advanced), Kannada (Advanced), Hindi (Advanced), Tamil (Intermediate)