

Dayananda K S

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Education

KVG College of Engineering, Sullia Bachelor of Engineering in Computer Science and Engineering CGPA: 7.7/10	2023 – Expected 2027
Sanvi PU College Pre-University Course (PCMB) – 86.7%	2021 – 2023
Sri Dakshina Kaashi Vidya Samasthe (SDVS) SSLC – 62%	2020 – 2021

Technical Skills

Programming Languages: Java, Python, SQL, JavaScript

Backend: Spring Boot, Django, REST APIs, Maven

Frontend: React.js, HTML, CSS

Databases: MySQL, Firebase, Supabase

Cloud & Tools: Git, GitHub, AWS (Basic), Node.js, VS Code Extension API

Computer Science Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks

AI/ML: LLMs, Retrieval-Augmented Generation (RAG), Prompt Engineering, AI Application Development

Experience

Software Engineering Intern — Algorithm#365 Present

- Solving Data Structures and Algorithms problems using Java and object-oriented programming principles.
- Strengthening problem-solving, debugging, and analytical thinking through structured coding challenges.
- Practicing software engineering interview patterns and optimization techniques.

Software Development Intern & Technical Member — WebGraft Solutions Present

- Contributing to web and backend development projects in a startup environment.
- Collaborating using Git-based workflows, code reviews, and software development best practices.
- Assisting in development, testing, and deployment of scalable software solutions.

Projects

Word Counter Pro AI — TypeScript, VS Code Extension API, Node.js

- Built a production-grade VS Code extension providing real-time word count, character count, line count, and reading-time analytics.
- Implemented live status bar updates and an interactive analytics dashboard using VS Code Extension APIs.
- Optimized extension performance for large text files and continuous editing workflows.

Hospital Queue Management System — React.js, Django, Python, Firebase

- Developed a web application for appointment booking and patient queue management.
- Implemented scheduling and monitoring features for patients and hospital staff.
- Presented the project at Srinathan 2.0 National-Level Hackathon.

Multimodal Personal Tutor — Python, AI Integration

- Built an educational platform supporting text, voice, and image-based learning.
- Designed adaptive learning workflows for personalized student engagement.
- Advanced to Round 3 among 52 teams at the MIT Mysore Hackathon.

Fresher's Party Gallery – 3D Dome Experience — React, Canvas API, Web Audio API

- Developed an immersive 3D gallery featuring interactive media visualization and animations.
- Implemented particle systems, dynamic lighting, and audio-reactive visual effects.
- Optimized rendering performance using requestAnimationFrame and mobile-specific enhancements.

Leadership & Activities

Technical Lead — Open Source Club, KVG College of Engineering

- Mentoring students in open-source technologies and collaborative software development.
- Organizing coding sessions, workshops, and technical activities.

State-Level Kabaddi Team Captain

- Demonstrated leadership, teamwork, discipline, and decision-making under pressure.

Achievements

- Advanced to Round 3 at MIT Mysore Hackathon among 52 participating teams.
- Participated in Srinathan 2.0 National-Level Hackathon.
- Secured 3rd Place in Internal College Hackathon.
- Received Certificate of Acknowledgement in Bharatiya Antariksh Hackathon 2025 organized by ISRO.
- Active problem solver on LeetCode and HackerRank.

Additional Information

Languages: Kannada (Native), English (Professional Working Proficiency), Hindi (Basic)

Interests: Backend Development, Scalable Systems, Open Source, Artificial Intelligence, Software Engineering, Problem Solving