

Sanika H R

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[Portfolio](#)

EDUCATION

•Sahyadri College of Engineering and Management, Adyar, Mangalore.

December 2022 - May 2026

Bachelor of Engineering in Computer Science and Engineering.

CGPA : 9.09

•Sri BGS PU College,Balehonnur,Chikmagalur.

May 2020 - April 2022

Karnataka State Board.

Percentage :93.1

SKILL SUMMARY

- **Cloud Platforms:** AWS (EC2, S3, Lambda, CloudFormation, etc.), Azure,IBM cloud (cloud console,CLI)Render (Web Deployment)
- **Programming Languages:** C, C++, SQL, HTML,CSS,JavaScript Python.
- **Tools And Technologies:** Git/Github, VS Code,Jupyter Notebook,Unity(2D/3D Game development),Google Colab, Postman,Render Deployment
- **Operating Systems:** Windows, Linux(Ubuntu).
- **Databases And Backend Frameworks:** MySQL, MongoDB,PostgreSql Query Optimization, RESTful APIs, Flask, Django,Node.js, Express.js,Data Migration,JSON Handling
- **Soft Skills:** Leadership, Event Management, Teamwork, Analytical reasoning, Creativity.

KEY PROJECTS

•Automatic Timetable Generation Using Genetic Algorithm .

- Devised an python automated timetable scheduling system using genetic algorithms , optimizing faculty, class, and time slot allocation . Reduced scheduling conflicts by 85% while ensuring institutional constraints were met.
- Implemented evolutionary optimization techniques, improving workload distribution and increasing scheduling efficiency by 30% in academic environments.
- Technologies used:Python , css, genetic algorithm

•TaskFlow – Smart Task Management Web App

- Developed a full-stack task management system enabling users to create, update, and track tasks efficiently through a responsive web interface. Designed RESTful APIs with Express.js and integrated PostgreSQL for persistent data storage, achieving smooth CRUD operations.
- Implemented task analytics and visual reports using Chart.js, enhancing productivity insights and user experience.Deployed on Render with environment configuration for seamless cloud accessibility.
- Technologies used :Node.js, Express.js, PostgreSQL, HTML, CSS, JavaScript, Chart.js, Render

INTERNSHIP EXPERIENCE

•Migration Engineer Intern - Quintype Technologies

Jan 2026 – May 2026 / Onsite

- Performed CMS data migration using Quintype Migrator by transforming and importing structured content from external systems into the platform, ensuring seamless data transfer.
- Validated, cleaned, and mapped data to intermediate formats while contributing to frontend/product design, enhancing content presentation and overall user experience.

•Junior Software Developer (Entry Level) - Edutainer

Feb 2026 – May 2026 / Remote

- Developed and maintained responsive web applications using React, HTML, CSS, and JavaScript, enhancing user interface and overall user experience.
- Implemented backend logic and RESTful APIs while working with databases, improving data handling and application performance.

CERTIFICATIONS

•Cloud Computing Fundamentals Certification -IBM SkillsBuild | [Certificate](#)

August 2025

- Gained a Knowledge of cloud architecture, virtualization, orchestration, service models (IaaS, PaaS, SaaS), deployment models (public, private, hybrid), scalability, elasticity, load balancing, multitenancy, automation, and cost optimization.

•TechA Python Developer Certification - Infosys Springboard | [Certificate](#)

September 2025

- Completed the TechA Python Developer Certification, covering core Python concepts, data structures, functions, and problem-solving techniques. Gained hands-on experience in writing optimized Python scripts, implementing algorithms, and developing projects to apply programming knowledge effectively.