B Y RAKSHITHA

Engineer | J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE

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SKILLS

- C
- Python
- Java
- HTML
- JavaScript
- CSS
- DOM Manipulation
- Machine Learning
- Data Structures & Algorithms

EDUCATION

Vidyaniketan Public School — *10TH - 84.6%*   *Jun 2018 – Apr 2019*
Bangalore Urban

Vidyaniketan Public School — *12TH - 81.2%*   *May 2020 – Aug 2021*
Bangalore Urban

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE — *ENGINEERING -*   *Aug 2022 – Present*
8.42 CGPA (6 sem)

PROJECTS

JSSATEB — *Smart Health Monitoring Belt for Immobile Patients*   *Feb 2025 – Present*
Bengaluru, India

- Creating a novel wearable device for monitoring vital signs (heartbeat, body temperature and motion) in hemiplegic and cardio patients. Integrated pulse, temperature, and accelerometer sensors with a GSM module. Enabled these patients to continuously monitor vitals in real time (IoT platform).

Self-initiated / Personal Project — *DSA Visualizer Web App*   *Jul 2025 – Jul 2025*
Bengaluru, India

- I created an interactive DSA visualizer using HTML, CSS, and JavaScript with step-by-step animations, adjustable speed and size, responsive UI with multiple devices compatibility to make learning algorithms fun and easy to learn.

Self-initiated / Personal Project — *Personal Portfolio Website*   *Jun 2025 – Jul 2025*
Bengaluru, India

- Constructed a spotless, adaptable single-page portfolio with section-oriented dynamic navigation and a gentle pastel color scheme, for a fluid user experience, attractive look, and to align with my goals for a cohesive personal brand.

JSSATEB — *Expense Tracker*   *Mar 2025 – Apr 2025*
Bengaluru, India

- Built a user-interactive expense tracker interface using HTML5, CSS3, and JavaScript with simulated MERN stack backend, allowing for real-time management of data, DOM manipulation, input sanitization, executing strong frontend design patterns.

JSSATEB — *AI-Enhanced Kernel for Dynamic Resource Management*   *Sep 2024 – Jan 2025*
Bangalore Urban

- Developed an AI-enabled Linux kernel module integrating random forest models and cgroups to forecast and optimize CPU and memory utilization in virtualized spaces dynamically, achieving 99.34% accuracy and greater system stability.

CERTIFICATIONS

Internship — *InternPe*   *Feb 2025 – Mar 2025*
Bengaluru, India

- Completed internship in Java Programming.
- Recognized for being genuine, committed, and demonstrating excellent job skills

Introduction to Artificial Intelligence — *Infosys Springboard*   *Dec 2024 – Dec 2024*

Data Structures and Algorithms using Java — *Infosys Springboard*   *Jul 2024 – Jul 2024*

Front End Development (HTML) — *Great Learning Academy*   *May 2024 – May 2024*

C for Beginners — *Great Learning Academy*   *May 2024 – May 2024*