

# SIVANESHAKUMAR KS

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[Portfolio Website](#)

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## SUMMARY

I'm a Biomedical Engineering student passionate about merging healthcare with technology. Skilled in full-stack development, biomedical data analysis, and digital health innovation. Driven by curiosity, I aim to create impactful solutions through tech and research.

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## WORK EXPERIENCE

**Intern – Spinosa Life Science Pvt. Ltd.**

**Jun 2025**

Gained foundational knowledge in clinical trials, regulatory frameworks, and ethical considerations involved in biomedical research.

**Web Development Intern – CODTECH IT Solutions Pvt. Ltd.**

**Jun 2025 - Aug 2025**

Worked on multiple web-based projects including a portfolio website with advanced animations, an online learning platform, a real-time collaborative document editor, and a Progressive Web Application (PWA).

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## PROJECTS

- Liver Stiffness Prediction using Machine Learning
- Vitals Monitoring System using ESP32 and MAX30102
- BioGPT: Research Paper Summarizer
- Animated Personal Portfolio Website
- Insilico analysis of bioactive compounds for COPD treatment

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## EDUCATION

**Bachelor of Engineering in Biomedical Engineering**

**Aug 2023 - Present**

Sri Ramakrishna Engineering College  
Coimbatore, Tamil Nadu

**Higher Secondary (HSC)**

Kendriya Vidyalaya  
Coimbatore, Tamil Nadu

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## ACCOLADES

**Co-Treasurer, IEEE EMBS Club**

**Sep 2024 - Present**

Elected as a core member, managing events, finances, and club outreach initiatives.

**AI Ambassador**

**Feb 2025 - Present**

Representing and promoting AI awareness in the Department of Biomedical Engineering at SREC through workshops and peer engagement.

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## ADDITIONAL INFORMATION

- **Technical Skills:** Proficient in Python, C, HTML, CSS, JavaScript, MATLAB, Arduino, ESP32, and Firebase; experienced in AI, machine learning, and full-stack web development.
- **Languages:** Fluent in English and Tamil; basic proficiency in Hindi.
- **Certifications:** Certified in MATLAB (Onramp, Simulink, Signal Processing), Networking & Web Tech, and Biopython by IIT Bombay.