

# SHIVASUBRAHMANYA K C

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## Summary

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Undergraduate Engineering student specializing in Data Science and Machine Learning, proficient in analyzing complex datasets and developing robust predictive models to generate actionable insights. Strong analytical thinking, problem-solving, and collaborative skills, with active involvement in IEEE and related technical activities. Committed to leveraging data-driven solutions to address real-world challenges and optimize strategic outcomes.

## Projects

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### Digital Time Machine

- Developed a deep learning solution using Pix2Pix GANs to transform contemporary images into historically accurate representations, preserving structural and period-specific visual features.
- Implemented end-to-end training pipelines and API-based inference for seamless integration.

### AI Mental Health & Burnout Assistant

- Built an AI-driven mental wellness platform leveraging Hugging Face models to detect emotions from text, voice, and facial cues, and assess burnout via quizzes.
- Delivered personalized, privacy-conscious recommendations using Streamlit and FastAPI, ensuring scalability, security, and smooth user experience.

### EduEase: Personalized Learning Companion

- Designed an accessible educational platform empowering learners, especially with disabilities, featuring video courses, personalized playlists, and assistive tools like TTS, voice control, OCR, and object detection.
- Enhanced accessibility with keyboard navigation, screen reader support, high-contrast UI, and multilingual content, creating an inclusive and engaging learning experience.

## Education

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**Sahyadri College of Engineering and Management Mangaluru. Sep 2024 -Present**  
Bachelor of Engineering in Computer Science  
(Artificial Intelligence Machine Learning) CGPA: 9.60

## Skills

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**Languages & Tools:** Python, SQL, Java, C/C++, HTML/CSS, n8n, Microsoft Power BI.

**Techniques:** Machine Learning, Data Science, Data Analysis, Data Visualization.

**Soft Skills:** Strategic Thinking, Collaboration, Leadership, Problem-Solving, Conflict Resolution.

## Experience

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### Mentor — Summer Internship, HackHarbour 3.0

*Sahyadri Open Source Community (SOSC) — 10-day Internship*

- Mentored participants during a 10-day internship, delivering sessions and guiding project development.
- Supported collaborative learning and exploration of emerging technologies.