

# SHIVASUBRAHMANYA K C

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## Summary

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Undergraduate engineering student specializing in Artificial Intelligence and Machine Learning, with hands-on experience in data analysis, machine learning algorithms, deep learning, and computer vision. Skilled in developing end-to-end AI solutions, building predictive models, and deploying data-driven applications using Python, ML/DL frameworks, and full-stack technologies. Strong problem-solving, analytical, and collaborative skills, with a proven ability to apply data-driven approaches to solve real-world challenges and optimize system performance.

## Projects

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### SynergySphere – Team Collaboration Platform

- Developed a full-stack team collaboration platform using React, FastAPI, and MySQL, enabling project management, task tracking, and role-based access control.
- Implemented JWT-based authentication, real-time updates using WebSockets, and automated email notifications to improve collaboration efficiency and user engagement.

### 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.

### AI Health Tracker

- Built an AI-powered health monitoring application using React, Node.js, and MongoDB to track daily activity, diet, sleep, mood, and stress levels.
- Implemented AI-driven health insights, including health risk assessment, sleep prediction, and personalized diet plans with calorie estimation.
- Designed an interactive dashboard with data visualizations and a responsive UI to improve user engagement and health awareness.

## Education

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

## Skills

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**Languages & Tools:** Python, SQL, Java, C/C++, HTML/CSS, JavaScript, React, Node.js, Express.js, MongoDB, n8n, Microsoft Power BI.

**Techniques:** Machine Learning, Data Science, Data Analysis, Data Visualization, Deep Learning, API Development, Workflow Automation.

**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 by delivering technical sessions and guiding collaborative project development in emerging technologies.