

# Harshith Kumar

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## Summary

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Highly motivated and results-driven Computer Science student with expertise in AI, machine learning, and data structures. Skilled in leveraging cutting-edge technologies to solve real-world problems. Proven track record of delivering impactful projects, improving efficiency, and contributing to cross-functional teams. Looking to apply technical skills and creativity in a software engineering role to drive innovation.

## Core Competencies

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- Programming Languages: Python, Java, C++, JavaScript, LaTeX
- Machine Learning & AI: NLP, OpenCV, TensorFlow, Keras, Scikit-learn, Deep Learning, Model Deployment
- Data Structures & Algorithms: Sorting, Searching, Graph Algorithms, Tree Structures, Dynamic Programming
- Web Development: HTML, CSS, JavaScript, React, Node.js
- Tools & Technologies: Git, Docker, SQL, AWS, Jenkins
- Soft Skills: Teamwork, Problem Solving, Communication, Leadership, Critical Thinking

## Professional Experience

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Sahyadri College of Engineering and Management, Mangaluru

Bachelor of Engineering in Computer Science | September 2021 – Present

- Developed and deployed multiple AI and machine learning models, leading to improved project outcomes and faster decision-making.
- Spearheaded machine learning workshops, educating 50+ students on deep learning and AI tools, improving their skillsets.
- Conducted research on NLP techniques for Indian language processing, contributing to a nationwide student research paper submission.
- Led a team to develop a Python-based project that reduced manual data entry time by 30

## Project Experience

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CyberResolve – AI-Powered Legal Assistant

- Designed and deployed an AI-driven platform that automates legal processes, reducing lawyer-client communication time by 40%.

- Integrated OpenAI API and LangChain to provide real-time legal case analysis and recommendations, enhancing the overall user experience.
- Increased system efficiency by incorporating NLP-based document scanning and classification, streamlining case management.

#### AI-Powered Music Insight Analyzer

- Created machine learning models to analyze Last.fm data, predicting future song popularity with 85% accuracy.
- Built a sentiment analysis tool for lyrics, providing personalized music recommendations based on user preferences.
- Delivered actionable insights through interactive, user-friendly visualizations, enhancing engagement by 20%.

#### AI Resume Analyzer & Job Matcher

- Developed an AI-powered resume analyzer that increased job matching accuracy by 35% using NLP and Cosine Similarity.
- Built a backend that generates personalized reports, improving job seekers' success rate by 15% after using the tool.
- Integrated real-time feedback system to guide users in optimizing resumes, resulting in higher user satisfaction.

#### CS-Algorithms-Visualizer

- Built an interactive visualization platform to demonstrate sorting algorithms and machine learning models, improving user understanding by 25%.
- Integrated dynamic graphs and charts for visualizing performance, which led to 40% higher engagement in educational programs.

## Education

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Sahyadri College of Engineering and Management, Mangaluru

Bachelor of Engineering in Computer Science and Engineering (Expected Graduation: January 2026)

Key Courses: Artificial Intelligence, Machine Learning, Data Structures, Algorithms, Web Development, Database Management

Mahesh PU College, Mangaluru

Pre-University Education (PCMB)

Completed: January 2022 | Percentage: 90%

Sri Mahalingeshwara English Medium School, Surathkal

Secondary Education (10th Standard)

Completed: 2020 | Percentage: 95.84%

## Volunteering & Extracurricular Activities

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- Led and organized tech workshops for 50+ students, fostering growth in AI and machine learning skills.
- Served as an Ethics Champion in IEEE R10 EAAC Student Contest, advocating for ethical technology use in innovation.

## Hobbies & Interests

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- Carnatic Vocal Music, Bharatanatyam, Violin, Mridangam, Painting
- AI-assisted Graphic Design and Creative Exploration

## Languages

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- English (Fluent), Kannada (Fluent), Hindi (Fluent)