

NIKESH KUMAR M

Aspiring Software Engineer

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SUMMARY

I am a dedicated and driven Computer Engineering (AIML) Undergraduate with strong leadership and communication skills. Experienced in leading college team presentations, providing effective teamwork and team coordination. Proficient in C++, Java, and React-JS, with expertise in frontend development (HTML, CSS, JS). Highly skilled in project management, team coordination, and software development, with a focus on large scale system design and system design principles. Passionate about technologies to create innovative solutions for different problems, including Data Compression and Information Retrieval. Knowledgeable in Natural Language Processing and Machine Learning, enthusiastic about developing software solutions that meet business needs and enhance product offerings. My programming skills extend to mobile applications, incorporating Android technologies, which enhances my versatility in applications development. As a researcher, I constantly seek new ideas and explore innovative approaches to solve complex challenges in the world of software engineering.

SKILLS

Languages: C++, Java, HTML, CSS, JS .

Tools: Eclipse, React-JS, Node.js, Git/GitHub, Linux, UNIX, TCP/IP, Chrome

Data-Base: MySQL, MongoDB, NoSQL.

Soft Skills: Leadership, Communication skills, Team coordinator, Problem solving, Collaboration, Responsibility

EDUCATION

B E COMPUTER SCIENCE AND ENGINEERING(AIML)

Oct 2022- May 2026

Sri Krishna College Of Technology, Coimbatore.

CGPA - 7.64

12th STD

Oct 2021 - May 2022

Bharathiya vidya mandir matric.Hr.sec.school,Pollachi.

92%

ACHIEVEMENTS

Won 1st Prize in Spectra'24 :Paper Presentation at Spectra'24 (Kongu Engineering College) for presenting on **IoT advancements in Agriculture**, representing II-AI & ML, SKCT.

PROJECTS :

- **CAFFINEID- a caffeine tracking web-App**: A **full-stack** responsive Caffeine Tracker Web App using **React.js, Vite, Node.js** and Font Awesome , showcasing front-end skills, UX design, and scalable component-based architecture.
- **COLORANTO- Image Colorization Using Deep Learning**: Developed a deep learning model in **PyTorch** to colorize B/W images using **ECCV16 and SIGGRAPH17 CNN** architectures, integrated with efficient storage solutions for large datasets
- **.VOCALSENSE - Emotion analysis and detection using audio**:An advanced Emotion Recognition system using speech audio data, employing **CNNs and Bi-LSTM** models with **Wav2Vec2** for feature extraction to accurately predict emotional states. Utilized testing protocols to ensure the reliability of the system.
- **TRANSLATO - a language translating web-App**: A real-time speech-to-text and language translation web app using React.js, Flask, and NLP APIs with multilingual support, responsive UI, and seamless audio-to-text conversion, highlighting the challenge of language processing.

PROFESSIONAL EXPERIENCE

DOT N Tech (Start up)

June 2024- July 2024

Designed a chatBot for a Hotel booking software. Worked with various ChatBot technologies, emphasizing technical maintenance and user accessibility to improve the overall software solution, ensuring robust security protocols were integrated for user security. Collaborated with team to integrate a distributed system architecture to enhance efficiency.

ADDITIONAL INFORMATION

- **Languages:** English,Tamil,Hindi,Telugu.
- **Certifications:** Oracle APEX Certification,Coursera ,Mongo DB and Infosys Springboard certifications.
- **Volunteer Experience:** Working as an enthusiastic member in NGO named “Naane Thodakkam Rational Organization”, focused on enhancing the social environment and helping individuals connect through various initiatives, including community talks on prevalent issues shared on YouTube and through local interactions.