

Sahil Kumar

B.E CSE(AI & ML)

Sahyadri College of Engineering and Management
Mangalore,Karnataka India

+91-7022334283

sahilkumar.ktp16@gmail.com

Sahil-kumar01

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EDUCATION

•Sahyadri College of Engineering and Management, Mangalore

2020-2024

CSE(AI & ML)

CGPA/Percentage: 7.62

•Vidyodaya Pre University, Udupi

2020

Karnataka Pre-University Board (KPUB) - PCMC's

CGPA/Percentage: 87.33

•St. Cecily's High School, Udupi

2018

Karnataka Secondary Education Examination Board (KSEEB)

CGPA/Percentage: 88

TECHNICAL SKILLS AND INTERESTS

Languages: ReactJS, NodeJS, SQL, OpenCV, ML, MongoDB, Python, Java, C/C++, HTML/CSS .

Developer Tools:Android Studio, Eclipse, VS Code, UI/UX.

Soft Skills:Problem Solving, Communication, Team Work.

Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Databases, Machine learning, Natural language processing.

EXPERIENCE

New Age Innovation Network(NAIN)

2024

Intern

Mangalore

Project: Context Aware Video Scrutinizer (Government-funded)

Role: Full Stack Developer Machine Learning

- Developed and deployed a machine learning algorithm to enhance surveillance capabilities by identifying and tracking specific persons or objects in live CCTV footage.
- Increased surveillance accuracy by 45% through advanced person and object recognition,Reduced manual monitoring time by 60% with automated tracking.
- Developed a full stack web application incorporating ML algorithms for long-range face detection using CCTV/Surveillance cameras.

Full-Stack Web Developemnt

2024

Developer

Udupi

Project: "MarkLabel" E-Commerce Website.

Role: Full Stack Developer

- Developed and enhanced the front-end using ReactJS, JavaScript and HTML/CSS.
- Designed and implemented APIs using Node.js and Express.js for seamless data communication between the server and client.Managed a MongoDB database to store and retrieve product information, user data, and transaction records efficiently.

PROJECTS

Zoo Management System(Database Management):

- Zoo Management System is a web-based technology that efficiently oversees and organizes all aspects of zoo operations.
- The main advantage is in reducing time consumption associated with manual processes. By automating various tasks, it streamlines operations and enhances efficiency.

Real estate mobile application(Android Application):

- Real Estate Application is a user-friendly platform designed for property buying, selling,renting, or leasing.It saves time by providing easy access to property information, enabling quick decision-making. Property owners and agents can reach a wider audience, leading to faster property transactions

Blind Assistant System (Machine Learning and Digital Image Processing):

- Blind Assistance System is designed to adapt to diverse environments and situations. It can function both indoors and outdoors, allowing blind individuals to navigate through complex buildings, public spaces, and outdoor environments with ease.
- The system is equipped with intelligent algorithms that continuously learn and improve their object recognition capabilities, ensuring accurate and reliable feedback.