

# PRITHIV RAJ K

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## SUMMARY

Motivated B.E. student with a strong foundation in full-stack development using MERN Stack, Node.js, and FastAPI. Demonstrated experience building and deploying full-stack applications, including a fitness tracker and a web-based AI assistant. Passionate about cloud technologies and proficient in containerization with Docker and Kubernetes.

## SKILLS

- **Programming Languages:** C, C++, Python, Java, JavaScript
- **Technical:** DSA, DBMS (SQL, NoSQL), OOP, RESTful API, Basic AI/ML, OS, Cloud Computing (AWS), CI/CD
- **Frameworks/Libraries:** Express JS, Node JS, FastAPI, React, Pandas, OpenCV, Pytorch, YOLOv3, NumPy
- **Web Technologies:** HTML5, CSS, Microservices Architecture
- **Query Language:** MySQL, MongoDB
- **Tools:** Git, GitHub, Kubernetes, Docker, Kaggle, VS Code, Postman, Gradle, PyCharm
- **Soft Skills:** Problem Solving, Analytical Thinking, Leadership

## PROFESSIONAL EXPERIENCE

### MERN STACK - G-Soft Technologies

2024

- Engineered responsive websites utilizing the MERN Stack, advancing skills in frontend, backend technologies, and database connections.
- Gained practical knowledge by building an exclusive project with team collaboration

### DATA SCIENCE - V3 ANALYTICS

2024

- Leveraged advanced data science techniques for comprehensive data cleaning, EDA, preprocessing, and analysis to extract actionable insights and support key decision-making
- Collaborated on sophisticated data wrangling and visualization tasks to produce data-driven solutions

## PROJECTS

### NUTRIX

2025

- Engineered a full-stack fitness tracker featuring a responsive React frontend and a Node.js/Express backend to create a RESTful API.
- Implemented user authentication, workout logging, and progress tracking, with all data managed in MongoDB through the RESTful API. **Tech Stack:** React, Node.js, Express, MongoDB

### 360 degree SURVEILLANCE USING UAV

2024

- Architected a human detection system using YOLOv3 and OpenCV to identify and count individuals in video, with output saved and notifications sent via Twilio API.
- Demonstrated skills in computer vision and API integration using Python. **Tech Stack:** OpenCV, Python, YOLOv3, NumPy, Twilio API, Requests Library

### INTELLIASSIST

2025

- Developed a full-stack, web-based AI assistant with a React frontend and a FastAPI backend.
- Enhanced user experience with a robust API core, enabling advanced features via voice and text control, centralized logging, and Twilio API integration for messaging. **Tech Stack:** React, FastAPI, Python, pyttsx3, speech\_recognition, sklearn, Twilio API, and database integration.

## EDUCATION

**Sri Eshwar College of Engineering** | B.E. in Mechanical Engineering | CGPA: 8.0 (up to 6th Sem) | 2022 - 2026

**Jai Saradha Matriculation Higher Secondary School** | Higher Secondary (HSC) | 83.9% | 2020 - 2022

**Jai Saradha Matriculation Higher Secondary School** | Secondary School (SSLC) | 70.6% | 2019 - 2020

## CERTIFICATIONS

- **Google Cloud:** Certified in Deploying Kubernetes Applications (Mar 2025)
- **Google (via Coursera):** Crash Course on Python (Jun 2024)
- **Udemy:** Mastering DSA Using C & C++ (Mar 2024)
- **Udemy:** The Complete Web Development Bootcamp (Jan 2024)

## ACHIEVEMENTS

- **Leetcode:** 1686+ | Top 14% | 450+ Problems Solved | [Profile](#)
- **AdobeGenSolve Hackathon (2024):** Achieved top 5 percentile of Adobe GenSolve.
- **Project Expo:** Won 1st Place for the "360 degree Surveillance using UAV" project.
- **Project Leap:** Won 1st Place for the "Chat Application" project.