

# Sonakul Sai Akshay

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## Skills

**Programming** Java, Javascript, Python, C++  
**Frontend** Reactjs, HTML, CSS, Bootstrap  
**Backend** Express, Node, RESTful API Development

**Databases** MongoDB, MySQL  
**Version Control** GitHub, Git  
**Testing** Jest, Mocha  
**DevOps** Docker, AWS, Vercel

## Experience

### Hextgen | start-up (Internship FD)

Oct 2023 - Jan 2024

- Developed download functionality for patient data for admin users in a hospital setting and reduced 15% process time.
- Migrated essential operational functions from complex hospital coding structures to more efficient clinic systems, this initiative led to a noticeable reduction in processing time by up to 25% for administrative tasks.
- Tested multiple features to ensure and functionality which increased 20% production.
- Designed the company logo.

## Education

### Keshav Memorial Institute of Technology

Bachelor's of Degree in Computer Science Engineering  
CGPA - 8.6

### New Era Junior College

Intermediate in MPC  
Percentage - 97.2%

### Keshav Memorial High School

CGPA - 8.5

## Projects

### Internshala Mern(Full-stack) Web Application

Jul 2022 - Jan 2023

**Technologies Used:** Vite, React.js, Node.js, Express.js, MongoDB, Bootstrap CSS, JavaScript

- Developed a Full-Stack Web App, where users can apply for jobs, post job opportunities, and manage applications.
- Led the integration of React.js functional components and hooks in the application architecture, resulting in the successful launch of 4 major features within 3 months, enhancing overall functionality and user satisfaction.
- Designed and developed the backend with Node.js and Express.js, creating RESTful APIs to manage job postings, user data, and applications.
- Used GitHub for version control, ensuring effective code collaboration and management.

### RecruitMe A Recruitment Platform(Full-Stack integrated with AI) Web App

Nov 2024 - Present

**Technologies Used:** Next.js, Node.js, Express.js, MongoDB, Bootstrap CSS, API Integration,

- Developing a full-stack recruitment platform where recruiters can manage the entire hiring process, from shortlisting resumes to making final hiring decisions, while jobseekers can take aptitude tests, coding tests, and participate in AI-powered interviews all within the platform.
- Integrated AI algorithms to automatically shortlist resumes based on job descriptions and candidate profiles, analyzing factors like skills, experience, and education.
- View AI-generated recommendations for candidates based on resume analysis and interview performance.
- Schedule live interviews and manage the final hiring process.

### VibeSync AI Emotion-Based Music Recommender(Web integrated Deep learning) Web App

Sept 2024 - Dec 2024

**Technologies Used:** Python, Mediapipe, Keras, OpenCV, TensorFlow, Music APIs ( YouTube)

- Developed an emotion-based music recommender that detects the user's emotional state through facial expressions and suggests music based on the detected emotion using deep learning models.
- Integrated Mediapipe and OpenCV to capture real-time facial expressions and detect emotions such as happiness, sadness, anger, surprise, and neutral.
- Used TensorFlow and Keras to train a deep learning model on facial emotion recognition, achieving 92% accuracy in emotion classification.

**Others Links:** Leetcode: [profile leetcode](#) HackerRank: [profile hackerrank](#)