

J Sai Kiran

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📍 Ballari, Karnataka, India

🌐 Sai Kiran. Javalkar

🔗 SaiMaster-12

PROFILE

Passionate about AI, ML, Cloud Computing, and Computer Vision, with a strong foundation in software engineering and full-stack development. Experienced in building secure, scalable applications using cloud technologies, particularly AWS, and integrating AI-driven models into production environments. Committed to leveraging intelligent systems to automate processes, enhance efficiency, and drive data-informed decision-making across real-world applications.

SKILLS

Programming Languages

- Python (Basics, OOP, File Handling, Pandas, Matplotlib, Scikit-learn, Flask)
- Java (Basics, OOP, Exception Handling, Collections Framework, Multithreading, JDBC)
- C (Basics, Functions, Pointers, Arrays, Structures)

Web Technologies

- Python Flask (Routing, REST APIs, Middleware, Templates, Request Handling)
- HTML (Basics, Forms, Multimedia, Tables, Semantic Tags)
- CSS (Basics, Selectors, Box Model, Positioning, Flexbox, Grid, Animations)
- JavaScript (Basics, DOM, Events, ES6, Fetch/API)
- ReactJS (Components, Props & State, Hooks, Routing, Context API, Lifecycle Methods, API Integration, Redux Basics)

Android Technologies

- XML (Layouts, Views, ViewGroups, Styles & Themes, Constraints, Resources)
- Java (Activity Lifecycle, Intents, Fragments, RecyclerView, Adapters, SQLite, SharedPreferences, API Integration, Firebase Integration)

Cloud Platforms

- AWS (EC2, IAM, S3, DynamoDB, Lambda, API Gateway, SES)

Database

- MongoDB (Basics, CRUD, Indexing)
- MySQL (Basics, CRUD, Joins, Indexing, Advanced)
- Firebase (Basics, Realtime DB, Firestore, Authentication, Hosting)

EDUCATION

Ballari Institute of Technology and Management

Batchlor of Engineering, AI&ML-Artificial Intelligence and Machine Learning
CGPA: 6.74

12/2021 – 06/2025

Ballari, Karnataka

Pupil Tree School and Pu College

Pre-University Education, PCMC
Percentage: 70%

06/2019 – 05/2021

Ballari, Karnataka

Pupil Tree School and PU College

State board of Education
Percentage: 67%

06/2018 – 04/2019

Ballari, Karnataka

PROJECTS

Fraudetect-AI 🔗

AI-powered system to detect and prevent fraudulent merchants on e-commerce platform using behavioral and transactional data.

Key Features:

- Detects fraud using machine learning models
- Flags high-risk merchants based on data patterns
- Automates risk scoring and alerts
- Scalable for large e-commerce systems
- Reduces counterfeit and unfulfilled orders

Pothole Detection System

A machine learning-based system that detects potholes in real-time and notifies authorities via email with location, repair details, and images.

Key Features:

- Real-time Pothole Detection using YOLO v8
- Edge Computing with Raspberry Pi 4
- Automated Email Alerts to authorities
- Location Tracking for precise reporting
- Repair Type Classification for better maintenance

Air Quality Monitoring System

Monitors air quality in real-time with sensor data displayed on a web interface.

Key Features:

- Real-time data on CO2, temperature, humidity, and pressure
- Data stored in Firebase.
- Secure payment integration.
- Flask-based web interface.
- Alerts for threshold breaches.

CERTIFICATES

- AWS Cloud practitioner 
- Full Stack Development with React
- Python Internship Certificate
- Certificate on Java Concepts

ACHIEVEMENTS

- Secured 7th place in the HACKB-24 hackathon held at BITM, Ballari.
- Completed an internship focused on Python development.
- Completed an internship focused on AWS cloud services.