

SANDEEP KHANDATE

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PROFESSIONAL SUMMARY

Full-Stack Developer and Computer Science graduate with 14 months of internship experience building responsive single-page applications and RESTful backend services. Delivered a 35% reduction in system processing time and a 50% decrease in report turnaround through query optimization and API redesign. Experienced in the full software development lifecycle (SDLC) from UI design to database administration and containerized deployment.

TECHNICAL SKILLS

Frontend React.js, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Responsive Design, SPA Development

Backend Python, Flask, RESTful API Design, API Integration, Server-Side Rendering

Databases MySQL, PostgreSQL, Schema Design, Query Optimization, Database Administration

DevOps Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD Pipelines

Monitoring Prometheus, Grafana

Cloud AWS EC2, Cloud Deployment

Practices Agile Development, Version Control, Component-Based Architecture, Unit Testing (basics)

WORK EXPERIENCE

Abhyudyaya Techno Solutions Pvt Ltd

Aug 2025 – Jan 2026

Full-Stack / AI-ML Developer Intern

Hubli, Karnataka

- Engineered 8 RESTful API endpoints in Python/Flask for ML model predictions, reducing average client response time by **30%** through query restructuring and response caching.
- Redesigned 3 MySQL database schemas, normalizing tables and adding indexes that cut slow-query execution time by **45%** on a dataset exceeding 200 user records.
- Developed 5 reusable React.js components for a responsive single-page application, improving cross-browser compatibility and reducing frontend rendering time by **20%**.
- Integrated 2 third-party REST APIs (weather and crop-data services) with error handling and retry logic, achieving **99%** uptime for external data ingestion.

Rooman Technologies

Sep 2024 – Mar 2025

AI DevOps Engineer Intern

Gadag, Karnataka

- Architected CI/CD pipelines for 4 ML model releases using Docker, Kubernetes, Jenkins, and Git, cutting deployment cycle time by **40%**.
- Automated build, test, and release stages across development and staging environments, eliminating **6+ hours** of weekly manual release effort.
- Configured Prometheus alerting rules and Grafana dashboards to monitor inference latency, CPU/memory usage, and container health across **3 production services**.

PROJECTS

Smart Farmer Assistance Manager / Python, Flask, React.js, MySQL, Scikit-learn, REST API

2025-2026

- Built a full-stack web application for real-time crop disease detection with a React SPA frontend and a Flask RESTful backend serving ML predictions.
- Optimized the end-to-end data pipeline from API ingestion to database storage, achieving a **35% improvement** in processing throughput.
- Integrated live weather and agricultural APIs; MySQL schema design supported structured storage of **500+ crop records**.

ElectroFree+ — Gadget Addiction Predictor / Python, Flask, MySQL, Scikit-learn, REST API

2024-2025

- Delivered a full-stack predictive web application processing behavioral survey data for **200+ user profiles** with **85%+ classification accuracy**.
- Designed a normalized MySQL schema and RESTful endpoints that reduced data retrieval latency by **40%** compared to the initial flat-table design.
- Created an interactive analytics dashboard that eliminated **50%** of manual report generation time for end users.

Face Recognition & Attendance System / Python, OpenCV, Dlib, CustomTkinter, SQLite

2025-2026

- Developed a desktop attendance application using Dlib face encodings and OpenCV video capture, achieving **98% identification accuracy** across varied lighting.

EDUCATION

Tontadarya College of Engineering, Gadag

Dec 2022 – Jun 2025

Bachelor of Engineering — Computer Science and Engineering CGPA: **8.3 / 10.0**

CERTIFICATIONS

AI-DevOps Engineer — Rooman Technologies, NSDC & IBM

Nov 2024 – Apr 2025

Java Programming — Great Learning

Dec 2024

Database Management Systems — Infosys Springboard

Jan 2024

HTML5 Development — Infosys Springboard

Nov 2023