

SURAJ KHAR

Software Developer

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GitHub: <https://github.com/surajkhaar>

Live Project: [https://ai-resume-screening-agent-](https://ai-resume-screening-agent-ju2skybe7mro2jpp4esryx.streamlit.app)

Portfolio: [https://suraj-khar-](https://suraj-khar-portfolio.vercel.app/)

[ju2skybe7mro2jpp4esryx.streamlit.app](https://suraj-khar-portfolio.vercel.app/)

[portfolio.vercel.app/](https://suraj-khar-portfolio.vercel.app/)

PROFESSIONAL SUMMARY

Software Developer with hands-on experience in backend and full-stack development using Java, Python, SQL, and web technologies. Experienced in building and deploying real-world applications, integrating databases and APIs, and solving problems through clean, scalable code.

TECHNICAL SKILLS

- Programming Languages: Java, Python, SQL
- Web Technologies: HTML, CSS, JavaScript
- Backend & APIs: Spring Boot, REST APIs, FastAPI
- Databases: PostgreSQL, MySQL, SQLite
- Testing & Debugging: Unit Testing (JUnit), API Testing (Postman), Debugging
- Development Practices: Git, GitHub, SDLC, Version Control
- Core Concepts: Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Design
- Tools & Platforms: Streamlit, Power BI, VS Code

EXPERIENCE

Software Developer Intern

Pranayuv Technologies | Oct 2025 – April 2026

- Contributed to backend development of an internal enterprise application using Spring Boot and PostgreSQL
- Designed backend workflows with validation rules and state transitions
- Implemented transaction-safe business logic to ensure data consistency
- Developed and tested REST APIs supporting core application modules
- Collaborated on frontend development using React Native, integrating APIs and implementing UI components via Android Studio
- Resolved database integrity issues and performed end-to-end API testing

PROJECTS

API Sentinel – Full Stack API Monitoring Platform

- Tech Stack: React.js, FastAPI, Python, SQLAlchemy, SQLite/PostgreSQL, JWT, APScheduler, Tailwind CSS
- Developed a full-stack API monitoring platform enabling users to monitor API health, uptime, response latency, and status codes.
- Implemented secure JWT-based authentication with protected routes and role-based access controls.
- Built automated monitoring workflows using APScheduler for periodic API health checks and real-time status tracking.
- Designed analytics dashboards displaying uptime metrics, latency trends, monitoring summaries, and API performance insights.

Developed monitoring logs with timestamped status tracking, failure detection, latency measurement, and error reporting.

- Integrated RESTful APIs using FastAPI and SQLAlchemy with support for SQLite and PostgreSQL databases.
- Implemented real-time dashboard refresh and backend polling mechanisms for live monitoring updates.

Demo Video: <https://drive.google.com/file/d/1xQ5qy3GThuzMfoNig9Ytbyk29vcNGh9L/view?usp=sharing>

Hospital Management System (HMS)

Tech Stack: React.js, Node.js, Express.js, MySQL, REST APIs

- Developed a hospital management system to streamline patient registration, appointment scheduling, doctor management, and medical record tracking.
- Designed role-based modules for administrators, doctors, and patients with secure authentication and authorization.
- Built RESTful APIs for patient records, appointments, prescriptions, billing, and healthcare workflow management.
- Implemented database-driven patient history management and appointment scheduling using MySQL.
- Developed responsive user interfaces for hospital staff and patients, improving operational efficiency and record accessibility.
- Integrated CRUD operations, form validation, and secure data handling across the application.

Demovideo: <https://drive.google.com/file/d/1cd6N5g4mSOhEPCdjB4uJytTgNsTgQo9R/view?usp=sharing>

AI Resume Screening Agent | OCT 2024 – Nov 2024

- Built and deployed an AI-based resume screening application using Python, NLP, and Streamlit to evaluate candidate resumes against job descriptions.
- Implemented keyword extraction and similarity scoring to generate match percentages and highlight missing skills.
- Designed an interactive web interface for real-time analysis and feedback.
- Deployed the application with a live demo and documented the solution using PPT and video walkthroughs.

Live Demo: <https://ai-resume-screening-agent-ju2skybe7mro2jpp4esryx.streamlit.app>

Demo Video+PPT: <https://drive.google.com/drive/folders/1jfLNd8Mv-Ypq1DQ0DJ3ghhHIJE0oQIRX?usp=sharing>

Heart Disease Prediction App| AUG 2025 – NOV 2025

- Developed a machine learning-based health prediction system using Python and FastAPI.
- Built REST APIs to process user input and return prediction results.
- Integrated the backend with a Flutter-based frontend for user interaction.

Online Voting System| March 2024 – Dec 2024

- Built a role-based online voting system using Java, SQL, and web technologies with secure authentication and database integration.

Weather Forecast Application | Jul 2023 – Aug 2023

- Built a weather information application using APIs and JavaScript to fetch and display real-time weather data.

Tic Tac Toe Game (Minimax Algorithm) | Jun 2023 – Jul 2023

- Implemented a Tic Tac Toe game using HTML, CSS, and JavaScript with the Minimax algorithm to enable optimal AI-based gameplay.

EDUCATION

Bachelor of Engineering in Computer Engineering | 2022– 2026

Visvesvaraya Technological University (VTU)

CGPA: 7.87 / 10

Class XII | 2022

Percentage: 91%

Class X | 2020

CGPA: 8.2

CERTIFICATIONS & ADDITIONAL

- Deloitte Australia Data Analytics Virtual Experience – Forage
- Power BI Workshop – OM Office Master
- MongoDB Certification
- C Programming for Beginners
- Microsoft Office using AI
- Participated in GenAI and its Applications workshop at JSSATEB and attended an industrial visit on Microsoft Azure Cloud Computing.