

SURAJ KHAR

Software Developer

Phone: 7051657685 **Email:** surajkhaar@gmail.com **LinkedIn:** linkedin.com/in/suraj-khaar

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

Live Project: <https://ai-resume-screening-agent-ju2skybe7mro2jpp4esryx.streamlit.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

Backend Developer Intern | Pranayuv Technologies Oct 2025 – Present

- Built and stabilized the backend of a Hospital Management System (HMS) using Spring Boot and PostgreSQL.
- Designed and enforced patient lifecycle workflows (REGISTERED → ADMITTED → DISCHARGED) with strict domain rules.
- Implemented atomic bed assignment and discharge logic to maintain consistent hospital state across transactions.
- Developed and tested REST APIs for patients, beds, medicines, prescriptions, and inventory management.
- Debugged and resolved database integrity issues involving foreign key constraints, enums, and sequence handling.
- Performed end-to-end API testing, environment setup, and pushed production-ready backend code to GitHub.

PROJECTS

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.
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EDUCATION

Bachelor of Engineering in Computer Engineering | 2022– 2026

Visvesvaraya Technological University (VTU)

CGPA: 7.6 / 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.