AKANKSHA

Software Engineer

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PROFESSIONAL SUMMARY

Motivated Computer Science Engineering student with a strong academic record (CGPA: 8.5) and hands-on experience in IoT, web applications, and software development. Proficient in Java, SQL, HTML, and CSS, with certifications in Python, SQL, MongoDB, and Generative AI. Adept at problem-solving, collaboration, and applying technical expertise to build innovative, real-world software solutions.

TECHNICAL SKILLS

- **Programming : -** Java, Python
- **Web Development : -** HTML, CSS, JavaScript, ReactJS
- **Databases : -** MySQL, MongoDB
- **Tools & Platforms : -** Git, VS Code, Jupyter Notebook

PROJECTS

Hotel Management System
May 2024 - Aug 2024

- Developed a comprehensive hotel management system to streamline reservations, check-ins, billing, and customer management. The system features an intuitive user interface, real-time room availability updates, and automated billing. Future enhancements include AI-driven customer recommendations and cloud-based deployment for scalability.

Web-based Code Compiler
Sep 2024 - Jan 2025

- Developed a web-based code compiler supporting multiple programming languages, enabling users to write, execute, and convert code in real-time. The system integrates sandboxed execution for security, ensuring efficient processing. Future enhancements include AI-driven code optimization and an expanded set of supported languages.

Bank Management System
Feb 2025 - Apr 2025

- Developed a console-based Bank Management System using Core Java, JDBC, and MySQL, enabling secure account creation, deposits, withdrawals, fund transfers, and balance inquiries. The system integrates transaction management and exception handling to ensure data integrity and reliable operations. Future enhancements include a graphical user interface (GUI), role-based authentication, and cloud deployment for scalability.

IP Address Finder App using ReactJS
Mar 2025 - May 2025

- Developed a ReactJS-based web application that retrieves and displays a user's IP address along with geolocation details in real-time using the IPify API. Designed with a responsive UI and integrated asynchronous API calls for seamless performance. Future enhancements include manual IP lookups, map-based visualization, and multi-device support.

Forensic Face Sketch Construction and Recognition   Jun 2025 - current

- Ongoing development of a Python-based forensic application for drag-and-drop facial sketch construction and suspect identification using the LBPH algorithm with OpenCV. Implemented with Django/Flask backend, SQLite database, and responsive HTML/CSS/Bootstrap frontend, featuring user authentication, case tracking, and result export for law enforcement use. Future plans include hybrid AI models, generative sketch synthesis, and advanced editing tools.

EDUCATION

Atria Institute of Technology - Bachelor of Engineering , Computer Science and Engineering
2022 – current , CGPA : - 8.6   Bengaluru

R N Shetty PU College - Pre-University , Computer Science
2020 – 2022 , 95.17%   Kundapura

Karnataka Public School - SSLC
2020 , 90%   Kundapura

CERTIFICATIONS

• Received a certificate from Hacker Rank for successfully clearing the assessment in *JavaScript (Intermediate)* on July 15, 2024.

• Received a course completion certificate for the course "Python 101 for Data Science" on July 19,2023 organized by IBM.

• Received a course completion certificate for the course "MongoDB Python Developer Path" on July 15,2024.

• Earned "Python Foundation Certification" certificate on February 20,2024 organized by the Infosys.

• Received a course completion certificate for the course "Database and SQL" on August 3,2024 organized by Infosys.

• Received a course completion certificate from Infosys Springboard for successfully completing the course *"Java Concepts"* on January 31, 2024.

SOFT SKILLS

• Problem-Solving
• Teamwork & Collaboration
• Adaptability
• Communication
• Time Management

HOBBIES

- Playing and following Cricket, Open-Source Contribution, Coding Challenges, Exploring IoT & AI Projects, Reading Tech Blogs