SANSKRITI KUMARI

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EDUCATION

Vellore Institute of Technology, Chennai
Sep 2021 - Present
Bachelor of Technology in Computer Science and Engineering, Current CGPA - 8.37/10
Chennai, Tamil Nadu

Loyola High School
Jul 2018 - Jul 2020
Higher Secondary Certificate,Percentage - 80.8%
Patna, Bihar

COLLEGE PROJECTS

DevDetective – GitHub Profile Finder - *Next.js, Tailwind CSS, Axios*
May 2025 - Jul 2025
Personal Project

- Built a responsive GitHub user lookup tool with Axios-based API integration, consuming GitHub public API.
- Designed a modern UI with dark/light mode support, reusable components, and optimized data rendering.
- Implemented error handling, theme toggle, and real-time data fetch using Next.js best practices.

Face Recognition System - *Python, OpenCV, Twin CNN*
Dec 2024 - Apr 2025
Vellore Institute of Technology, Chennai

- Developed a deep learning-based attendance system using a **Twin Convolutional Neural Network** architecture for facial verification.
- Employed **concatenation of feature maps** and classification layers to enhance recognition accuracy by 92%, improving real-time processing.
- Achieved a smooth user interface with integrated image capture and automated entry, reducing manual logging time by 40%.

Crop Recommendation - *Python, ML, CSV*
Jul 2024 - Nov 2024
Vellore Institute of Technology, Chennai

- Designed an **ML-based crop recommendation** system with 98% accuracy, enabling data-driven decisions for farmers to **optimize crop yields**.
- Developed a **predictive irrigation management** model, achieving a 95% precision rate in **optimizing water usage**.

Blog Writing Website - *HTML, CSS, JS, MongoDB*
Jan 2024 - Jun 2024
Vellore Institute of Technology, Chennai

- Engineered a high-performance content delivery system, boosting efficiency by 30%.
- Ensured 99.9% uptime for the website, maintaining continuous availability and **smooth user experience**.
- **Streamlined article** submission process, reducing content publishing time by 20%.

SKILLS

Languages	C, C++, Java, DSA, HTML, CSS, Java Script, React.js, Next.js
Database Systems	My-SQL, MongoDB, Vector Database
Other Tools and Technologies	Artificial Intelligence, Blockchain, Machine Learning, AWS, Gen AI
Data Visualization	Tableau, Power BI
Soft Skills	Leadership, Team Management, Emotional Resilience, Agile Mindset

CERTIFICATIONS

AWS Certified Cloud Practitioner (Link)
Aug 2024 - Aug 2027
Amazon Web Services

- Proficient in AWS cloud computing principles and best practices.
- Leveraged AWS tools to deploy scalable cloud-based solutions.
- Assisted with cloud migration and architecture, boosting deployment efficiency by 20%

AWS Certified Solutions Architect- Associate (Link)
Aug 2024 - Aug 2027
Amazon Web Services

- Experienced in designing and deploying scalable, cost-effective solutions using AWS cloud services.
- Expert in network architecture, cost optimization, and AWS security controls, reducing costs by 15%.
- Implemented AWS services to meet performance, scalability, and security needs, improving efficiency by 30%.

ACHIEVEMENTS

- **Content Head- Magadh Mithila Club**
  - Strategized content for Magadh Mithila Club, driving 30% growth in event participation and boosting member engagement.
  - Spearheaded high-impact events, showcasing bold content that captivated over 300 participants.