RITIKA SHARMA

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As a tech enthusiast specializing in web-based software development, I possess a quick learning attitude and passionate about creating scalable, user-friendly web platforms using Python, React, Streamlit, and TensorFlow. A software developer with a strong foundation in full-stack development, AI integration, and data-driven applications. Experienced in delivering real-world solutions such as smart agriculture AI systems and healthcare automation tools. Always eager to learn, adapt, and contribute to innovative tech-driven environments..

Education

- **Master of Computer Applications (MCA)**
  Vivekananda Institute of Professional Studies, GGSIPU, Delhi | 2023 – 2025 | 89%

- **B.Voc in Software Development**
  Guru Gobind Singh Indraprastha University | 2018 – 2021 | 92.80%

Projects

- **TerraGrow - Smart Farming with AI**
  Technologies: **Python, Streamlit, TensorFlow, Keras, API, HTML, CSS3**
  Developed an integrated AI solution for farmers with modules for Crop Recommendation (ML - Random Forest), Plant Disease Detection (**CNN**), Fertilizer Recommendation, Weather Forecasting (API), Smart Farming Guide
  Features: Multilingual support, PDF upload + analysis, Location-based weather + graphs, PDF report generation, Real-time consultancy + alerts

- **Medical Invoice Generator for Clinic**
  Built a medical invoice generator using **Python, Flask, HTML, CSS, and Pandas** with GST calculation, dynamic treatment selection, and printable invoice layout. Delivered a desktop-ready, user-friendly app for clinic use.

- *Personal Portfolio Website*
  Created a personal portfolio using **React.js, Tailwind CSS, JavaScript, Node.js, and HTML** to showcase skills, certifications, and projects. Integrated a contact form and project showcase section for professional networking.

- *Responsive Blogger Website*
  Developed a responsive blogging website using **HTML, CSS, and JavaScript** to ensure compatibility across devices like desktops, tablets, and smartphones. Implemented dynamic interactivity to enhance user experience.

- *Online Quiz Application*
  Created a web-based quiz platform allowing users to take quizzes on various topics with score tracking and quiz creation features. Technologies Used**: Java, Spring Boot, MySQL, HTML, CSS, JavaScript, React**

Certifications

- *Artificial Intelligence Fundamentals -* **IBM SkillBuild X CSRBOX (Internship, Jul-2024)**
- *Learn MySQL-*For Beginners - **YouAccel Udemy**
- *Programming with Java -* Skill Enhanced Academic Solution Pvt Ltd- **Microsoft AEP**
- *Google Analytics 360 & Advanced*

Volunteering & Leadership

Institute Innovation Council (IIC) member- Vivekananda Institute of Professional Studies   *2024 - 2025*
New Delhi, Delhi

Skills

Languages: Python, Java, C++, JavaScript, SQL
Web Development: HTML5, CSS3, React.js, Node.js, Flask, Streamlit
AI/ML Tools: TensorFlow, Keras, LangChain, APIs
Databases: MySQL, MongoDB, NoSQL
Other Tools: Git, Canva, VS Code, Postman, Bootstrap