POOJA YADAV

Alwar, Rajasthan | pooja.yadav23@st.niituniversity.in |www.linkedin.com/in/pooja-yadav-048b43293 | github.com/poojalatiwal

Objective

I am a passionate Computer Science undergraduate with experience in backend, AI, and full-stack development.I have worked on projects integrating Spring Boot, MERN stack, and machine learning to achieve scalable, intelligent, and user-focused solutions.I want to build a career as a full-stack developer with AI expertise to create impact through automation, data-driven insights, and innovative digital websites.

Experience

AI/Backend Intern , Dental Stack, Remote   July 2025 –August 2025

Worked on Backend systems using Spring Boot and RESTful APIs to achieve automated data processing, intelligent decision-making, and optimized system performance.
Also explored AI tools like Large Language Models (LLMs) to prototype GPT-like conversational platforms for text-based automation and response generation.

- Designed and maintained Spring Boot RESTful APIs for modular and scalable backend architecture.
- Collaborated with the team to manage database connectivity, security, and performance.
- Experimented with LLM APIs (like GPT) to build prototype tools for intelligent query responses.
- Enabled the team to explore LLM-based enhancements for user interaction and system intelligence.
- Contributed to faster data handling and AI-assisted feature design for backend modules.

Projects

Gesture-Based Bot
- Used Spring Boot, SQL, HTML, CSS to make this real-time, gesture-controlled robotic system.
- Technology used to test is Sensor data logging, API communication testing using Postman and MySQL validation.
- Achieve an Enabled hands-free robotic control through gesture recognition and ultrasonic obstacle detection. Improved response accuracy and automation .

Edge Detection in Medical Imaging
- Used OpenCV and Python to make this image-processing system for medical and computer vision analysis.
- Technology used to test is Image preprocessing and gradient analysis using Sobel and Scharr filters.
- Achieve an Enhanced visibility of medical scan features and improved accuracy for automated image segmentation and Classification.

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Food Delivery Website
- Used MERN stack (MongoDB, Express.js, React.js, Node.js) to make this full-stack food ordering and delivery platform.
- Technology used to test is REST API testing via Postman, JWT authentication checks, and frontend responsiveness testing.
- Developed a secure, responsive, and scalable application with user authentication, admin dashboard, and search/filter capabilities. Improved user engagement through seamless UI/UX integration.

Education

B.Tech in Computer Science, NIIT University   **2023 to 2027**
CGPA: 9.62

XII, Bright Future School (RBSE)   **2023**
X, Bright Future School (RBSE)   **2022**

Skills

Frontend: HTML5, CSS, JavaScript

Backend: Python, Java

Frameworks & Libraries: Spring Boot, Node.js,Express.js, Bootstrap

Databases: MySQL, PostgreSQL, MongoDB

Developer Tools: Git, GitHub, Postman, Swagger

Platforms & IDEs: Visual Studio Code, Labelbox, Eclipse, IntelliJ

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