Keshav Singh Rajpoot

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LINKEDIN | GITHUB

PROFESSIONAL SUMMARY

B.Tech Electronics & Communication Engineering graduate (May 2025) with hands-on experience in AI model training, automation, and software testing. Skilled in Java, Python, SQL, and problem-solving with a focus on AI-based automation and model optimization. Seeking an entry-level role in software development, testing, or AI-focused positions.

EDUCATION

Bachelor of Technology (B.Tech) — Electronics & Communication Engineering   *Nov 2021 – May 2025*
Global Nature Care Sangathan Group of Institutions, Jabalpur, Madhya Pradesh   **CGPA:** 7.79
Senior Secondary (12th Grade) — Science Stream   *2021*
Maharashtra H.S. School, Jabalpur, Madhya Pradesh   **Percentage:** 92.4

SKILLS

Programming Languages: Java, HTML, CSS, SQL
Tools & Frameworks: Selenium, TestNG, Intellij IDEA, Git
AI & ML: Prompt Engineering & Model Evaluation
Soft Skills: Leadership, Communication, Problem Solving, Team Collaboration
Core Concepts: Object-Oriented Programming (OOP)

PROJECTS

Automated Form Testing Using Selenium
Tech Stack: Java, Selenium WebDriver, TestNG

- Manual testing of web forms was time-consuming and error-prone, leading to inconsistent validation of form inputs.
- Build an automated test framework to validate a variety of form input scenarios efficiently and accurately.
- Developed a Selenium-based automation suite in Java to test form functionalities such as input validation, dropdown selections, radio buttons, and submission flow; utilized TestNG for test case structuring and assertions.
- Reduced form testing time by over 70%, improved test coverage across multiple input cases, and ensured early detection of UI and validation errors.

Mini NLP Toolkit (Python)
Tech Stack: Python, NLTK, Streamlit, Scikit-learn

- Needed a reusable solution for repetitive NLP preprocessing tasks.
- Build a simple, interactive NLP toolkit for text analysis and classification.
- Used Python and scikit-learn to implement tokenization and Naive Bayes classification; developed a Streamlit UI for real-time interaction.
- Streamlined NLP workflows, reducing setup time by 60% and improving reusability across projects.

ACHIEVEMENTS

- Developed and deployed a Mini NLP Toolkit using Python and Streamlit, reducing NLP preprocessing time by 60%.
- Built a Selenium-based automation testing suite that increased form validation coverage and cut manual testing time by 70%.

LEADERSHIP & VOLUNTEERING

College Representative **– Abhyuday, IIT Bombay**

- Led winter cloth drive & awareness campaigns for underserved communities
- Leaded MP & CG directorate in National Trekking Camp at Amarkantak.