# Ayush Keshri

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## Education

**Kalinga Institute of Industrial Technology**                                               *Sept 2022 – May 2026*
*B.Tech in Computer Science* | CGPA: 7.58 / 10.0

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems (Linux), Object-Oriented Programming (Java), Database Management Systems, Computer Networks, Distributed Operating Systems, Software Engineering, Probability and Statistics, Discrete Mathematics, Machine Learning, Artificial Intelligence.
- **Elective Coursework:** Creativity,Innovation and Entreprneurship, Scientific and Technical Writing, Industrial IOT, Graphic Designing, Marketing Management

## Professional Experience

**Software Engineer Intern**                                                                         *Noida, UP*
*R Systems International Limited — Team:Panasonic*                                     *June 2025 – August 2025*

- Worked on an agentic AI automation project that integrates Playwright, Python, and LLM to enhance the execution of intelligent workflows as part of an agile development team.
- Implemented tag-based test execution, DOM optimization and fallback strategies, executing 100+ test cases and resolving 30+ locator issues, increasing the test pass rate from 70% to 88% using Playwright and LLM-integrated automation.
- Conducted in-depth R&D on optimization strategies for cross-functional workflows, implementing multiple approaches to improve efficiency, scalability, and integration across the automation pipeline.
- Collaborated cross-functionally in a corporate team environment, actively contributing to sprint meetings, documentation, and coordination between development and testing workflows.

## Skills

**Languages & Web:** C, Java, Python, HTML, CSS, JavaScript
**Cloud & Deployment:** Amazon S3, Amazon EC2, Amazon EMR, Kubernetes, Docker
**AI & GenAI:** Machine Learning, Generative AI, Large Language Models (LLMs)
**Tools & Productivity:** VS Code, IntelliJ IDEA, Jupyter Notebook, Jira, MS Excel
**Soft Skills:** Verbal & written communication, adaptability, teamwork, decision making, & professional integrity.

## Projects

**InsuriFy – Medical Insurance Premium Classification Model**                              *github* ↗

- Developed a machine learning system to classify high insurance premiums using characteristics such as age, BMI, smoking status, and region.
- Performed exploratory data analysis and tested normalization techniques (L1, L2, MinMax, Standard) for the optimal model.
- This enables insurance companies to assess client risk profiles and assign premiums more accurately & fairly.
- Tools used: Python, Scikit-learn, XGBoost, NumPy, Pandas, Matplotlib, Seaborn, SVM, Logistic Regression, Random Forest, normalization techniques, cross-validation.

**React-Based Weather App**                                                           *Live Link* ↗ | *github* ↗

- Built a responsive Weather Detector web app.
- Integrated real-time weather APIs and implemented dynamic UI updates based on user input for live weather insights.
- Tools Used: React, JavaScript, HTML, CSS, OpenWeatherMap API, Git.

## Certificates/Achievements

- AICTE virtual internship by EduSkill ↗,
- AWS Academy Cloud Foundation ↗
- Foundation of User Experience by Google Coursera ↗
- Business Analytics for Decision Making by Coursera ↗
- Salesforce Trailblazer (Adventure Rank) – Actively progressing through Trailhead modules focused on Apex, Lightning, and workflow automation. My Profile: ↗
- Machine Learning training program ↗