

# GNANA PRAKASH

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## TECHNICAL SKILLS

- **Testing:** Manual and Automation Testing, REST API Testing, AI/ML Testing, Gen AI Testing, LLMs
- **Tools:** Selenium, Postman, JIRA, Scrum, Agile, Testim, AppliTools (basic)
- **Programming & Automation:** Python, Pytest, Robot Framework, PyCharm IDE
- **AI/ML Tools:** scikit-learn, TensorFlow, PyTorch, SHAP, Pandas, NumPy, Matplotlib
- **Model Testing Techniques:** CNNs, Random Forest, SVM, RNNs, Decision Trees, KNN, Logistic Regression, Confusion Matrix, Accuracy, Precision, Recall, F1 score, Bias & Fairness Analysis
- **CI/CD & VCS:** Git, GitHub, Jenkins

## PROFESSIONAL EXPERIENCE

**Software Test Engineer:** Lance Soft Engineering Pvt Ltd, Hyderabad (Jan 2022 – Aug 2025)

### AI Model Testing (Jul 2024 – Present)

- Designed AI-focused test cases, covering functional scenarios, edge cases, robustness and security.
- Validated AI/ML models through black-box testing and Python automation, increasing test coverage by 40% and helping resolve 15+ fairness issues.
- Performed bias and fairness evaluations to support ethical and responsible AI deployments.
- Collaborated with ML teams to ensure comprehensive testing coverage.
- Analyzed model outputs and edge cases to support improvements in model accuracy and performance.

### Automation Test Engineer (Feb 2023 – Jun 2024)

- Enhanced Selenium automation framework to improve regression stability and expand test coverage.
- Maintained reusable, modular test architectures to improve scalability and efficiency.
- Integrated automated tests into CI/CD pipelines, accelerating releases and reducing manual effort.

### Manual Test Engineer (Jan 2022 – Jan 2023)

- Performed manual UI, regression, and functional testing for enterprise applications.
- Managed test scenarios, logged defects in JIRA, and coordinated resolutions with dev teams.
- Delivered detailed quality reports and supported smooth production releases.

## PROJECTS

- **Credit Scoring AI System:** Validated AI models for loan eligibility and risk assessment decisions.
- **Eco-Cart Commerce:** Automated checkout, login, and product flows for an e-commerce system.
- **Docket Manager (Manual):** Verified workflows for public complaint handling.

## EDUCATION

- Bachelor of Technology (B. Tech) – Biotechnology, Sree Nidhi Institute of Science and Technology (SNIST), Hyderabad, Telangana in 2015