

Manoj A

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[Leetcode](#) | [Github](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Results-driven **Machine Learning Engineering and QA Intern** with a solid foundation in machine learning, deep learning, and quality assurance. Skilled in developing and deploying end-to-end ML solutions using Python, Scikit-learn, Docker, and Streamlit. Hands-on experience in Agile development environments, test automation, and cross-functional collaboration. Proven leadership as Smart India Hackathon (SIH) team lead.

EDUCATION

Examination	University	Institute	Year	CGPA (%)
Graduation	Anna University	Karpagam College of Engineering	2026	8.97
HSC	State Board	Sri V.R.V Matric Higher Secondary School	2022	9.55

SKILLS SUMMARY

Languages : Python, Java, SQL, JavaScript, HTML, CSS

Frameworks/Libraries : Pandas, NumPy, Scikit-learn, TensorFlow, OpenCV, Matplotlib, React

Tools : MySQL, Tableau, Selenium, Postman, JMeter, VS Code, PyCharm, Jupyter

DevOps & Platforms : Docker, Git, GitHub, Streamlit, Gradio, Google Colab

Methodologies : Agile, Scrum, Test-Driven Development (TDD)

EXPERIENCE

DataRevealAI | ML Engineer Intern | Coimbatore

[Mar '25 – Aug '25]

- Collaborated in building a Human Resource Management System (HRMS) project as **Software Tester**.
- Executed test planning, execution, and defect reporting using Selenium and Postman, reducing defect detection time by 15%.
- Contributed to automation pipelines, optimizing test processes by 25% for application development.
- Worked together in Agile teams using **Jira and Github for sprint planning**, task tracking, daily stand-ups, and retrospectives.

Altalya Solutions | Junior Web Developer Intern | Tiruppur

[Jun '24 – Jul '24]

- Developed a responsive web application during internship, demonstrating proficiency in HTML, CSS, and JavaScript.
- Implemented JavaScript solutions, reducing front-end load time by 15% and united effectively within a team environment.

KEY PROJECTS

Face Recognition and Matching System | Self Project | [Link](#)

[Nov '24]

- Engineered a real-time facial recognition system using OpenCV and optimized with HOG, reduced processing time by 40% and improved identification accuracy to 98% across 500+ faces.
- Implemented cloud-based development with Google Colab and Google Drive, reducing processing time by 20% for visualization of matched faces.

Customer Churn Prediction System | Self Project | [Link](#)

[Aug '24]

- Built a machine learning application using Scikit-learn and RandomForestClassifier, achieving 85% accuracy in predicting telecom customer churn.
- Deployed model as a Streamlit web application, increasing stakeholder accessibility by 40% for retention strategies.

AutoML Credit Card Fraud Detection | Self Project | [Link](#)

[Mar '24]

- Designed an AutoML-based fraud detection system using H2O.ai and Scikit-learn, detecting 90% of fraudulent transactions.
- Deployed model with Docker, reducing false positives by 30% and saving 15% in potential financial losses.

CERTIFICATIONS

- [Udemy](#) - The Complete 2025 Software Testing Bootcamp [July '25]
- [Qlik Learning](#) - Qlik Business Analyst Certification [Oct '24]
- [NPTEL](#) - Data Analytics with Python-Elite [Jan '24 - Apr '24]
- [NPTEL](#) - Foundations of R Software- Elite [July '23 - Oct '23]
- [freeCodeCamp](#) - Machine Learning with Python [Sept '23]

SCHOLASTIC ACHIEVEMENTS

- Team leader - SIH(2024) and selected in top 30 teams out of 120 in college level [Sept '24]
- Delivered ML lectures at Altalya Solutions Pvt Ltd, Tiruppur [Jul' 24]
- Coordinator for the Cultural event in the College [Mar '24]