

Shreyas Neelaraddi

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PROFESSIONAL SUMMARY

A Computer Science Engineering graduate with hands-on experience in software testing, system automation, and data analysis. Proven to increase business decision-making efficiency by 30% by developing end-to-end automated solutions and interactive dashboards. Seeking an entry-level role in Software Testing, System Engineering, or Data Analysis to apply strong skills in Python, SQL, and cloud deployment.

SKILLS

- Programming Languages:** Python (Pandas, NumPy, Scikitlearn), SQL (MySQL, SQLite), JavaScript
- Testing & Quality Assurance:** API Testing, Performance Testing, Test Automation, Quality Assurance, System Validation
- System Engineering:** Linux, Cloud Deployment, Database Optimization, System Integration, Containerization
- Data Analysis & ML:** Statistical Analysis, Predictive Modeling, Classification, Regression, Clustering, XGBoost, Random Forest
- Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn, Interactive Dashboards, Real-time Monitoring
- Development & APIs:** Git, Flask, Streamlit, OpenAI API, HuggingFace API, Multithreading, Socket Programming

EDUCATION

Degree	Institution	Location	Duration	Performance
Bachelor of Engineering – Computer Science & Engineering	Sri Sairam College of Engineering	Bangalore	2021 – 2025	CGPA: 8.4 / 10
PreUniversity (PCMB – Science)	Vijaya BIFR PU College	Bangalore	2020 – 2021	71%
SSLC (10th Grade)	JSS Public School	Dharwad	2018 – 2019	64.5%

EXPERIENCE

AI/ML Intern | VTU WIINNR (IT Ignition Program) | Oct 2024 - Feb 2025

- Developed and tested end-to-end ML pipelines processing 10K+ data points with 85%+ model accuracy.
- Deployed 5+ interactive dashboards with real-time monitoring and automated data refresh pipelines.
- Built Flask-based web applications with comprehensive API testing and integration serving 100+ daily requests.
- Optimized system performance through database query optimization, reducing processing time by 25%.
- Applied skills in Linux environments and containerization to deploy production-ready ML models.

Python Developer Intern | VaultofCodes | Oct 2023 - Nov 2023

- Engineered and tested a speech-controlled application using Tkinter & SpeechRecognition with 95% accuracy.
- Developed a real-time multithreaded chat system using socket programming, supporting 50+ concurrent users.
- Performed system optimization through efficient threading and memory management techniques.
- Conducted performance testing and debugging to ensure application reliability and stability.

PROJECTS

1) Sales Analytics Dashboard | Python, SQL, Power BI

- Integrated and validated customer, order & product datasets (25K+ records) into a unified analytical framework.
- Analyzed critical KPIs including revenue growth (15% YoY increase), customer retention rate, and Average Order Value.
- Delivered a dynamic dashboard with real-time interactive filters, boosting stakeholder decision-making efficiency by 30%.
- Implemented automated data refresh pipelines ensuring 99.9% data accuracy and system reliability.

2) Healthcare Risk Prediction System | Python, scikit-learn, Streamlit

- Developed and tested ensemble classification models achieving 92% accuracy for heart disease risk prediction.
- Processed and validated 5K+ patient records with comprehensive feature engineering and data preprocessing.
- Deployed a web application with thorough testing and performance validation on the Streamlit platform.
- Conducted model validation using cross-validation and ROC-AUC analysis for system reliability.

3) Customer Churn Analysis & Prediction | Python, pandas, Tableau, SQL

- Analyzed 15K+ customer records to identify 8 key churn drivers with statistical significance testing.
- Built and validated predictive models (XGBoost, Random Forest) achieving 88% precision in flagging at-risk customers.
- Created an interactive monitoring dashboard with real-time churn tracking and customer segmentation.
- Delivered system recommendations reducing potential churn by 20% through automated retention strategies.

CERTIFICATES

- AI/ML Internship Certificate** - VTU WIINNR (2025)
- Python Developer Internship** - VaultofCodes (2023)
- Data Science Bootcamp** - DataCamp (2025)
- PrepInsta Prime Certification** - 80+ Hours in Python, DSA, Frontend, Data Science & Analytics