

Amrutha K

Python Developer

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SUMMARY

Detailed-oriented **Information Technology Graduate and Python Developer** with hands-on experience in machine learning, data analytics, and web application development. Proficient in **Python, Flask, Scikit-learn, and TensorFlow**, with proven ability to **develop, train, and deploy predictive models**. Strong **problem-solving, analytical thinking, and collaboration** skills. Actively seeking an **entry-level Python Developer or Data Analyst** role.

EDUCATION

Government Engineering College, Sreekrishnapuram <i>B.Tech in Information Technology</i>	Palakkad, Kerala
	2020 – 2025
• CGPA: 7.04 / 10	
Govt Higher Secondary School <i>Higher Secondary Certificate (HSC)</i>	Palakkad, Kerala
	2018 – 2020
• Percentage: 91.25%	

TECHNICAL SKILLS

- **Programming:** Python, C
- **Machine Learning:** Classification, Ensemble Methods, Deep Learning
- **Data Analytics:** Data Cleaning, Feature Engineering, Model Evaluation
- **Web Development:** Flask, HTML, CSS
- **Tools & Libraries:** Scikit-learn, TensorFlow, Pandas, NumPy
- **Soft Skills:** Problem Solving, Analytical Thinking, Team Collaboration, Time Management

PROJECTS

Pneumo-Guard – Web-Based Pneumonia Detection System	2024
• Tools Used: Python, TensorFlow, Flask, DenseNet-169	
• Designed and deployed a deep learning web app achieving 95.32% validation accuracy .	
Bank Churn Prediction System	2025
• Tools Used: Python, Scikit-learn, Random Forest, AdaBoost, SVM	
• Built and evaluated ML models to predict customer churn and improve retention strategies.	

CERTIFICATIONS & ACHIEVEMENTS

- **AI-Driven Python Programming (Pursuing)**
Certificate from **Illinois Institute of Technology (Illinois Tech), USA**; Python programming with Django - **Entrix NSDC**.
- First Runner-Up in **Eureka'22**, national-level innovation competition.