

Lakshmi Narayanan K Y

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Summary — Computer Science undergraduate (Batch 2026) with a strong foundation in programming, data structures, algorithms, and database management systems. Skilled in Java, Python, and SQL, with academic projects demonstrating problem-solving and software development capabilities. Knowledgeable in operating systems, computer networks, and SDLC methodologies including Agile. Quick learner with adaptability to new technologies such as cloud and web development. Strong analytical, communication, and teamwork skills, with flexibility to work across domains, locations, and emerging technologies.

Education

SRM Institute of Science and Technology, Ramapuram <i>Bachelor of Technology in Information Technology</i>	2022 – 2026 7.7 CGPA
Ponnaiyah Ramajayam Higher Secondary School <i>Class XII</i>	2021 – 2022 68%
Ponnaiyah Ramajayam Higher Secondary School <i>Class X</i>	2019 – 2020 72%

Skills

Languages Python, Java	Core Competencies Data Structures and Algorithms, OOPs, Problem Solving, Debugging and SDLC
Databases SQL	
Version Control Git and GitHub	Tools and Frameworks HTML, CSS, JS, Cloud computing concepts, AI/ML(Python with libraries)

Projects

Financial fraud detection using Python (Machine Learning, Big Data)	Jul 2024 – Nov 2024
<ul style="list-style-type: none">– created a Python system to identify bank transactions that are fake.– scaled essential features (Amount, Time) and preprocessed data.– Tools/Libraries: Python for implementation; Pandas and NumPy for data handling and computations; Scikit-learn for building and evaluating ML models; Matplotlib and Seaborn for data visualization and analysis.	
Drowsiness detection using Python (Deep Learning)	Feb 2024 – Apr 2024
<ul style="list-style-type: none">– created a system that analyzes open and closed eye states in real time to identify driver drowsiness.– Eye pictures were gathered and prepared in order to train a classification model.– Convolutional neural networks (CNNs) were constructed and trained to automatically categorize eye conditions.– Tools/Libraries: Python for system logic; OpenCV for image capture and processing; NumPy for data handling; TensorFlow/Keras for building and training the CNN; Matplotlib/Seaborn for visualizing data and model results.	

Conference and Workshops

WeatherSense: A Python-Based AI-Powered Live Weather Forecasting System	Apr 2025
<ul style="list-style-type: none">– Won the Best Paper Award for the study "WeatherSense: A Python-Based AI-Powered Live Weather Forecasting System" at the 2nd International Conference on Advances in Engineering and Medical Sciences in 2025.– The project concentrated on developing a real-time weather prediction model using Python-based algorithms and artificial intelligence.	

Certifications

AWS Cloud Practitioner Essentials - Amazon Web Services	May 2024
<ul style="list-style-type: none">– Learned the basics of cloud computing with AWS, including how cloud storage, servers, and security work use AWS for scalable and cost-efficient solutions.	
Python Certification - Scaler Topics	May 2024
<ul style="list-style-type: none">– Built a strong foundation in Python programming, covering core concepts such as data types, control structures, functions, and OOPs.	
Artificial Intelligence with Python - Coincent.ai	Jul 2024
<ul style="list-style-type: none">– Hands-on exposure to AI concepts and machine learning model building using Python.	