

R Elumugam

Python Software Developer

✉ elumugam.dev@gmail.com ☎ 8667795510 📍 Coimbatore, TN 641103 🔗 elumugam.github.io/My-Portfolio/
🌐 github.com/Elumugam 🌐 linkedin.com/in/elumugam-r-201b06292

PROFILE

Final-year B.Tech undergraduate in Artificial Intelligence and Data Science with hands-on experience in Python, Machine Learning, Data Analysis, and Full Stack Development. Proven ability to build and deploy AI-powered web applications, Analyze real-world datasets, develop predictive models, and integrate REST APIs. Entry-level Python Software Developer with hands-on experience building backend services, REST APIs, and full-stack web applications. Skilled in Python, SQL, Flask/FastAPI, and database-driven application development with a focus on scalable and maintainable software solutions.

EXPERIENCE

Full Stack Developer Intern, Unified Mentor Pvt. Ltd. <ul style="list-style-type: none">Developed Python-based backend services and REST APIs supporting multiple application workflows.Implemented CRUD operations and database interactions using SQL and MongoDB.Optimized database queries and API responses, improving performance by 25%.Collaborated in an agile environment following SDLC and version control best practices.	07/2025 – 08/2025 Remote, Haryana, India
Data Science Intern, BioXplora <ul style="list-style-type: none">Analyzed and processed 10,000+ real-world records using Python, Pandas, and NumPy.Performed data cleaning, feature engineering, and exploratory data analysis (EDA) to uncover patterns and trends.	08/2024 – 09/2024 Coimbatore, India

EDUCATION

B.Tech in Artificial Intelligence and Data Science (CGPA: 8.2), RVS COLLEGE OF ENGINEERING AND TECHNOLOGY	09/2022 – 03/2026 Coimbatore, India
12th Grade (CGPA 7.6), INFANT JESUS METRIC HR SEC SCHOOL	2021 – 2022 Devakottai, India

TECHNICAL SKILLS

Frontend HTML, CSS, React.js	Frameworks & Backend Flask, FastAPI, REST APIs,
Languages Python, C++ and JavaScript	AI / Data Science Machine Learning, Data Analysis, EDA, Feature Engineering, Database Model Evaluation, NumPy, Pandas, scikit-learn
Database SQL, MongoDB	Tools Git, GitHub, Visual Studio Code, Orange Data Mining, n8n, Make (formerly Integromat), ChatGPT, Gemini, GitHub Copilot, and related AI/automation tools
Core Computer Science Data Structures & Algorithms, Object-Oriented Programming, Software Design Principles	

PROJECTS

Classmate+, AI-Powered Full-Stack Study & Productivity Platform <ul style="list-style-type: none">Developed and deployed a production-ready AI-powered full-stack web application using Next.js, Node.js, Express.js, and MongoDB, featuring Google OAuth 2.0 authentication, AI-based PDF analysis, and a chat-driven study assistant; deployed on Render with secure API key and environment configuration.	01/2026 – 01/2026
Gen z Art, Magic AI-Powered Art Generation Platform, Link: https://github.com/Elumugam/genz-art-magic <ul style="list-style-type: none">Built and deployed GENZ ART, an AI-based web appHandled image analysis and prompt generation workflows for AI-based recreation	12/2025 – 12/2025
Sales Prediction using Machine Learning, Data Science & Predictive Analytics Project <ul style="list-style-type: none">Designed and trained supervised ML models for sales forecasting using Python and scikit-learn.Conducted EDA, feature selection, and regression analysis to improve prediction accuracy.Evaluated model performance using standard metrics and iterated to refine results.	08/2024 – 09/2024