TAMILKUMARAN G

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SUMMARY

Skilled in Python, Java, and cross-platform development using Flutter (Dart), with a strong interest in UI/UX using Figma. Familiar with building responsive frontends using HTML, CSS, and JavaScript. Well-versed in training and deploying machine learning models using TensorFlow, Scikit-learn and PyTorch, and integrating them into real-world applications. Experienced with MySQL and MongoDB for effective backend data management.

EDUCATION

2023 - 2027 **CGPA : 8.0 / 10**	**Bachelor of Technology in Artificial Intelligence and Data Science** Rajalakshmi Institute of Technology, Anna University.
2022 - 2023 **XII Score : 92.6%**	**Senthil Matric Higher Secondary School** Vriddhachalam

PROJECTS

AI-Based Village Empowerment App – GramVantage

AI-enabled mobile & kiosk platform providing rural citizens with multilingual assistance, verified Aadhaar login, and access to essential services. Built with Flutter & Dart for cross-platform support and offline kiosk deployment. Real-time project dashboards for panchayat officials and scheme tracking.

AI-Powered Lung Disease Detection System

Deep learning-based diagnostic tool for identifying lung conditions from chest X-ray images. Built with Python and Streamlit for an interactive web interface to upload and classify X-ray images. Implemented YOLOv8 object detection model trained on labeled lung disease datasets.

SKILLS

Programming Languages:

Java, Python, HTML , CSS

- Data Analysis
- Figma
- Deep Learning

Databases :

- MySQL
- MongoDB

ACHIEVEMENTS

- **Design Spark Challenge - 50 Hours Hackathon**
  Participated in the 50 Hours of Design Spark Challenge hosted by Intellect Design Arena Ltd. and NASSCOM; collaborated on persona creation, journey mapping, and AI-driven design thinking to solve real-world problems under expert mentorship.

- **Adobe Hackathon 2025**
  Selected for Round 3, ranking among the Top 100 teams nationwide, for developing an AI-powered Smart Document Insight System with semantic linking and podcast/audio features.

ADDITIONAL SKILLS & ACTIVITIES

Languages : English, Tamil

Certifications :
- Introduction to MongoDB for Students – MongoDB University

Activities :
- Editorial Head in Social Media Club of Rajalakshmi Institute of Technology.
- Proficient in creative editing tools like Photoshop, Premiere Pro, and After Effects for image, video, and motion graphics editing.