

# Suki S

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## EDUCATION

### Karpagam College of Engineering

*Bachelor of Technology in Artificial Intelligence and DataScience*

Coimbatore, TamilNadu

Nov. 2022– Apr. 2026

### Government Higher Secondary School-Jegathabi

*Maths- Computer Science*

Karur, TamilNadu

Jun. 2020– May 2022

## PROJECTS

### Vehicle Routing Optimization | Python, Genetic Algorithm, NumPy, Matplotlib

Jan 2025

- Designed a Genetic Algorithm-based optimization, significantly reducing delivery time and logistics costs.
- Visualized routing data, enhancing decision-making accuracy and operational efficiency.
- Streamlined logistics operations with scalable, automated routing, improving overall performance.
- Integrated geospatial data to optimize multi-zone deliveries in urban and rural areas.

### Finance Agent Project | Python, Streamlit, Groq, DuckDuckGo, YFinanceTools

Jan 2025

- Built an intelligent chatbot interface combining financial and web agents for data-driven decision-making.
- Streamlined real-time financial analysis with stock price tracking and company info using YFinanceTools.
- Enhanced user experience with a seamless UI and efficient multi-agent collaboration for finance insights

### Mediocplus | Python, Django, HTML, CSS, Mongodb, Docker, Git, NFC, Tableau

Mar 2024

- Designed a centralized platform connecting patients with doctors based on success rates and availability
- Developed a multilingual system and implemented Health Card functionality for seamless medical records access
- transparency feature preventing equivalent medicine replacement by integrating a database of pharmacies
- Focused on paperless healthcare, reducing medical errors and enhancing user experience

### Language Translation | Python, Deep Translator, Streamlit

Mar 2024

- Integrated Deep Translator library into existing CRM software to facilitate multilingual interactions; reduced response time by 40 while engaging with international clients, improving overall efficiency
- Deployed Deep Translator API into company web application, facilitating real-time translation across 15 languages and resulting in a 30 increase in international user engagement within one month.
- Improved cross-cultural communication efficiency by automating accurate translations.

### Cardio Classification (MLOps) | Scikit-learn, Pandas, NumPy, Matplotlib ,PyCaret,h2o

Apr 2023

- Employed machine learning algorithms to predict and classify cardio levels
- Aimed at early intervention and improving public health outcomes
- Automated pipelines for data ingestion, model training, hyperparameter tuning, and deployment
- Model validation using metrics like accuracy, precision, recall, F1-score

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, HTML/CSS, Javascript, R, SQL.

**Frameworks:** TensorFlow, PyTorch, Django, Scikit-Learn, MediapPipe, Flask, Streamlit, React , Hadoop.

**Developer Tools:** Git, Docker, MongoDB, CI/CD (Jenkins), Tableau/Power BI, Visual Studio, PyCharm, Eclipse

**Libraries:**OpenCV, Keras, pandas, NumPy, Matplotlib.

## SOFT SKILLS

**Soft Skills:** Leadership, Teamwork, Communication, Time Management, Work Ethic, Problem-solving.

## OTHERS

**Leadership Role:** Vice President of AI Innovation Club, KCE.

**Awards:** Won 3rd prize in Digital Product Makethon of StartupTN.

**Workshops:** Artificial Intelligence in Biotech Workshop at IIT Madras.

**Certifications:** Qlik Sense Business Analyst, NPTEL - Machine Learning, Deep Learning, Cloud Computing