

BALAJI K

ML Engineer | Web Developer

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CAREER SUMMARY:

Energetic and motivated final year engineering student seeking a full-time job opportunity to apply and enhance my technical skills, gain industry experience, and contribute to meaningful projects. Passionate about **Software Development**, **Machine Learning** and **Cyber Security**. eager to learn and grow in dynamic work environment to leverage my skills.

EDUCATION:

Sri V.D.S Jain Hr Sec School	2019 - 2021
HSC & SSLC Computer Science Percentage: 95%	
Rajalakshmi Institute Of Technology	2021 - 2025
B.Tech Computer Science and Business System Percentage: 78%	

RELEVANT PROJECTS:

Customer Churn Detection : Mar- 2023 to May - 2023

- Description: Analyzed **Telco-Customer Data** & build various machine Learning models like **AdaBoost** Classifier and various algorithms to find out the exact accuracy of Churn.
- My Role: **Preprocessing** and analysing the Various **machine learning** models.

Parkinsons-Disease Progress Prediction Jul - 2023 to Nov - 2023

- Objective: Predicted **MDS-UPDR** scores to assess Parkinson's disease progression using **protein and peptide data** of patient Visits.
- Cleaned and merged datasets, performed feature engineering, and built **Random Forest regression model** with **TensorFlow Decision Forests** to forecast clinical scores for patient Visits.

Resolve IT - AI integrated Urban Governance . Sep - 2024 to Nov - 2024

- **ResolveIT**: A Full-Stack Urban Problem Reporting Platform. Developed a **full-stack web** application using React (frontend) and **Flask** (backend) for citizens to report urban issues.
- **location-specific details**. Integrated **MongoDB** for storing Problems, enabling government authorities to view and address them. Features include **user authentication**, user problem display, and a search/filter system for efficient issue tracking.

ACHIEVEMENTS:

- **Research**: Published a paper '**A Systematic Study about Crypto Jacking**' at **IEEE**.
- **NPTEL**: Problem Solving and Data Structures using Python, **Elite** Certified.
- **Ethical Hacking**: **HackerX** Certified Ethical hacker and Got Strong Foundations.
- **NPTEL**: Learning Analytics Tools, **Elite** Certified in final proctored Exam.
- **Genesys**: Gained proficiency in administering **Genesys Cloud CX** with Lab access.

SOFT SKILLS:

- Business English
- Problem Solving
- Team Work
- Flexibility
- Critical Thinking

TECHNICAL SKILLS:

- Python, Sql
- Oops & Data Structure
- Ethical Hacking
- React / Flask
- MongoDB