

# Surya R

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## Education

### Chennai Institute of Technology

Bachelor of Technology in Artificial Intelligence and Data Science; 8.729 CGPA

Chennai, India

Oct 2021 – Apr 2025

## Technical Skills

**Languages:** Java, Python, SQL (MySQL), JavaScript, HTML/CSS

**Frameworks:** Express.js, Flask, Django

**Developer Tools:** Git, GitHub Actions, Docker, AWS, Kubernetes, Postman, Insomnia, Tableau, Power BI, Figma

**Libraries:** React, Node.js, pandas, NumPy, Matplotlib, TensorFlow, Keras, Seaborn, Scikit-learn

## Experience

### Purple Optics – Project Intern

Jun 2023 – Jul 2023

Onsite – Mangadu, Chennai

- Spearheaded a transformative e-commerce website project for the brand utilizing React, Node, MongoDB
- Implemented new features like personalized recommendations, increasing user engagement by 30%
- Utilized Figma for prototyping and wireframing, delivering design and ideas effectively
- Utilized advanced data analytics techniques to achieve a significant 15% improvement in decision-making

### Oasis Infobyte – Data Science Intern

Jul 2023 – Aug 2023

Remote Intern

- Elevated sales prediction precision by 15%, showcasing impactful business insights through data-driven models
- Achieved 100% accuracy in Iris Data Classification in every model Decision Tree, KNN, Logistic Regression
- Conducted car price assignment and email spam detection, gaining deep insights into Data Science and Big Data
- Improved task efficiency by 20% through diverse machine learning projects

## Projects

### EcoTrack | [Project-Link](#) | React, Node, MySQL, Docker, GitHub Actions

Apr 2024 – May 2024

- Environmental sustainability monitoring web application, achieving an 80% reduction in environmental impact
- User authentication and role-based access control, enhancing security and improving user engagement
- Tailored dashboards for users and admins, increasing data-driven decision-making efficiency by 25%
- Provided actionable insights for users to track progress and admins to monitor overall performance

### Connect | [Project-Link](#) | React, Node, MySQL, Docker, AWS(EC2)

Mar 2024 – Apr 2024

- Campus communication application, featuring secure user authentication, post creation, comments, and likes
- Enhanced campus engagement by 80%, enabling easy information sharing and fostering community interaction
- Achieved 90% user satisfaction rate with intuitive and user-friendly interface, ensuring seamless user experience
- Significantly improved the sense of community and connectivity among students and faculty

### Stress-out | [Project-Link](#) | React, Node, MySQL

Feb 2024 – Mar 2024

- This full stack application Stress-out is mental health assisting application, leading to a 40% reduction in Loneliness
- Implemented features such as personal profile, mood tracking and mindfulness exercises to control your emotions
- It compliments and advises according to the mood progress of the day by letting you rate your emotions
- It contains both listening mode and advising mode for improvised user needs in the need of a specific preference

### Churn-Er | [Project-Link](#) | Python(EDA), Flask, Jupyter Notebook

Jan 2024 – Feb 2024

- Achieved a model accuracy of 94.27% with precision, recall, and F1-score of 72%, 81%, and 77%, respectively
- Used Principal Component Analysis (PCA) to streamline data, achieving a competitive accuracy of 72.39%
- Conducted extensive data preprocessing and feature engineering to optimize model performance and accuracy
- Deployed the predictive model seamlessly, creating an intuitive web interface for interactive churn predictions

## Certifications

**NPTEL:** Elite batch 65% in cyber security and privacy

**SQL:** by HackerRank

**Problem Solving:** by HackerRank

**Python:** by HackerRank

**Supervised Machine Learning:** by Stanford Coursera

## Coding Profiles

**Leetcode:** 250 problems with global contest rating 1,503

**Codechef:** Global contest rating 1,220

**HackerRank:** Python Gold Batch & SQL Silver badge

**Skillrack:** 1300+ problems 381 Medals 13 Certificates

**Codeforces:** Global contest rating 937