

YOGASATHYANDRUN R

Data Scientist

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PROFESSIONAL SUMMARY

AI and Data Science student with expertise in **machine learning**, **data modeling**, **statistical analysis**, **predictive analytics**, and **data visualization**. Proficient in **Python**, **SQL**, and **Java**, with a strong interest for applying **AI** and **NLP** techniques to solve complex business problems and contribute to data-driven decision-making.

EDUCATION

B.Tech in Artificial Intelligence and Data Science

Panimalar Engineering College, Chennai, India

October 2022 – Present | **CGPA: 8.40** (up to 4th semester)

Higher Secondary (Class XII)

Narayana E-Techno School, Chennai, India

June 2021 – February 2022 | **87%** (CBSE Board)

Secondary (Class X)

Narayana E-Techno School, Chennai, India

June 2019 – April 2020 | **90.2%** (CBSE Board)

PROFESSIONAL EXPERIENCE

Data Science Intern

Unified Mentor Pvt Ltd, Gurugram, India

June 2024 – July 2024

- Applied **data preprocessing** techniques including **feature scaling**, **encoding**, and **data transformation** to ensure 100% of high-quality data for analysis.
- Built predictive models using **Scikit-learn** and **TensorFlow**, resulting in a 15% improvement in model performance compared to baseline models.
- Implemented **automated data pipelines** using **Python** and **SQL**, streamlining the data processing workflow and cutting processing time by 30%.
- Created and presented data visualizations using **Power BI**, **Matplotlib**, and **Seaborn**, which increased business stakeholders' decision-making efficiency by 30%, helping them make data-driven decisions with actionable insight.
- Collaborated with cross-functional teams to develop and deploy **machine learning models** for real-time decision-making, improving overall operational efficiency by 20%.

CERTIFICATIONS

- Oracle Cloud Infrastructure Generative AI Certified Professional | Oracle Corporation, July 2024
- Acquiring Data Certification | Futureskills, June 2024 | Gold-certified, Score: 84%
- Cybersecurity Fundamentals Certification | Futureskills, November 2023 | Silver-certified, Score: 64.5%

SKILLS

- Programming Languages: Python, Java, JavaScript, PHP
- Machine Learning & AI: Scikit-learn, TensorFlow, Pandas, NumPy
- Data Visualization & Analysis: Matplotlib, Seaborn, Plotly
- Data Engineering: SQL, ETL, Data Warehousing, Data Preprocessing
- Web Development: HTML, CSS, JavaScript, PHP
- Tools & Technologies: Git, Jupyter

PUBLICATIONS

ChatBot for Combating Cyberbullying: A Comprehensive Approach with AI Technologies

Published on **Google Scholar**, February 2024

- Explored the application of **AI technologies** in developing a chatbot to combat **cyberbullying**, using **machine learning** and **NLP** techniques to detect harmful online behavior.

ACHIEVEMENTS AND ACCOMPLISHMENTS

Hack-Overflow 2.0 | Participant, March 2024

Pillai HOC College, Mumbai

- Created a highly efficient **transportation app** using **Python** and **GUI**, integrating **live map tracking** and **real-time fare calculation**, improving user engagement by 40%.
- Optimized backend algorithms to reduce data processing latency by 25%, resulting in faster response times and improved user experience.
- Designed and implemented an intuitive **UI/UX** that led to a 50% increase in user retention.

PROJECTS

Consultancy Website for Maverick Nest

October 2024 – Present

- Engineered a consultancy website using **HTML**, **CSS**, **JavaScript**, and **PHP**, delivering a seamless user experience that increased client engagement by 40%.
- Incorporated **PHP/MySQL** for content management, enhancing website functionality and enabling real-time data updates, resulting in a 25% improvement in operational efficiency.
- Completed over 75% of the project, focusing on **scalability**, **performance optimization**, and **user interaction**.

College Aptitude Software

September 2024 – Present

- Designed an interactive aptitude software with an integrated programming language compiler using **HTML**, **CSS**, **JavaScript**, improving user engagement by 35% and reducing response time by 20% through efficient backend optimization.
- Focused on improving user experience and system performance, with 75% of the project currently complete and undergoing testing.

Medical Chatbot for Blind and General Users

July 2024 – November 2024

- Developed an AI-powered medical chatbot using **Python** (backend) and **HTML/CSS/JavaScript** (frontend), increasing user interaction by 50% and improving response accuracy by 30%, offering personalized medical assistance.
- Achieved **100% efficiency** with **real-time NLP-based recommendations**, enhancing healthcare accessibility for visually impaired users.

Fair Fare

February 2023

- Built a **transparent transportation platform** ensuring fair pricing for both customers and drivers, using **real-time data** and fare calculation, which reduced pricing disputes by 40% and improved customer satisfaction by 25%.
- Successfully merged a **negotiation-free** system that maintained **fair profit margins** for drivers, reducing customer complaints by 35%.
- Copyright application in progress (80% complete).

LANGUAGES

English: Fluent

Tamil: Native

Hindi: Proficient