SARAVANAN B S

bssaravanan247@gmail.com | +91-9345862679

GitHub | LeetCode | Linkedin | CodeChef

EDUCATION

Chennai Institute of Technology | Link   Chennai, India | Nov 2022 - May 2026
B.Tech - Artificial Intelligence And Data Science
Cumulative Grade Point Average (CGPA): 8.64 / 10

PROFESSIONAL EXPERIENCE

Next24Tech Technology & Services | AI-ML Developer | Link   Chennai, India | May 2024 - July 2024
- Developed a regression model, **achieving 90% accuracy** and an image recognition model, **achieving 85% accuracy** using CNN and OpenCV.
- Automated data preprocessing workflows, **reducing manual processing time by 30%**.
- Collaborated with teams to integrate ML features into software applications, contributing to a **15% increase in user engagement**.

CodersCave | Web-Developer | Link   Chennai, India | Nov 2023 - Dec 2023
- Built and optimized web applications, **reducing load times by 35% and improving user engagement by 20%**.
- Collaborated on UI/UX improvements **resulting in a 35% increase in user engagement and a 50% reduction in bounce rate** by optimizing for responsive design.
- Debugged and refined code, **resolving 85% of reported issues, leading to a 40% faster load time**.

PROJECTS

PlateVision AI: Advanced Number Plate Recognition with YOLOv8 | Link   *YOLOv8, OpenCV, SciPy, EasyOCR*
- Developed an AI-powered system **achieving 98% accuracy** in real-time number plate detection. Solves real-world challenges in automated toll systems, parking management, and law enforcement. Model summary (fused): **168 layers, 3,005,843 parameters, 0 gradients, 8.1 GFLOPs**

Amazon-web-scrappy | Link   *Selenium, BeautifulSoup*
- Built an automated web scraper in Python to extract product data (e.g., names, prices, ratings) from Amazon, achieving a data **accuracy rate of 95%** and processing **over 50 products per session in ~10 minutes**. Designed to bypass bot detection and supports **export to CSV/JSON** for analysis.

LinguaCast AI: Multilingual Audio Translator | Link   *WhisperProcessor, gTTS, Torch, Flask*
- Engineered a system that translates audio files across **10+ languages with 95%** linguistic accuracy using **Whisper, gTTS, and Google Translate APIs, powered by Flask backend**. Addresses real-world communication barriers in global business, education, and accessibility solutions.

Chat-analyser | Link   *Streamlit, Seaborn, Wordcloud*
- Designed a Python-based chat analysis tool using Streamlit, processing datasets of up to **500 messages in under 5 minutes**. Extracted over **100 unique words**, tracked emoji usage patterns **across 50+ conversations**, and identified shared URLs **with 98% precision**. Delivered actionable insights through custom word clouds and interactive visualizations using Matplotlib and Seaborn, enhancing data comprehension for users.

SKILLS

- Python ● C ●Java ● C++ ● JavaScript ● React.js ● Flask ● Pandas ● Express.js ● Docker ● Tensorflow ● OpenCV
- BeautifulSoup ● Pytorch ● Git ● Github ● Anaconda ● Node ● MySQL ● PostgreSQL ● MongoDB ● AWS ● NLTK
- Azure DevOps ● Langchain ● bootstrap ● Powerbi ● Transformers ● YOLOv8 ● Selenium ● StreamLit ● Linux

CERTIFICATIONS

- Cloud Computing - NPTEL | **Link**
- AWS Fundamentals - Amazon | **Link**
- DataAnalyticsandVisualizationJob Simulation - Accenture | **Link**
- Google Data Analytics - Google | **Link**

COMPETITIVE PROGRAMMING

- **Link** - Achieved **Knight Badge** on LeetCode by solving complex algorithmic challenges, **Top 3.6%** Globally, Solved 750+ Problems, Best Contest **Rank 951** Globally, Badges 6, **Max Rating 1935**.
- **Link** - **3-Star** Rating on CodeChef, Division 2, Best Contest **Rank 310** Globally, **Max Rating 1699**.

ACHIEVEMENTS

- **Link** - Ranked among the **Top 10 in the prestigious Code-A-Thon** Competitive Programming Competition at CIT Chennai, **outperforming 1200+ participants** by solving diverse algorithmic challenges under timed conditions.
- **Link** - **Achieved Elite + Silver badge** for scoring **more than 75%** in Cloud Computing Examination
- Achieved a global **rank of 1152** in **TCS CodeVita** Round 2, demonstrating algorithmic proficiency and coding expertise.

VOLUNTEERING

ICT Academy Youth Talk | Link   *ICT Academy*
- Actively participated as a volunteer, contributing to the seamless execution of the event by assisting with logistics, and participation.

Anonymous Voices | Link   *Talos*
- Organized and managed this Debate event for the college symposium, ensuring successful participation and execution