

Tarun Kumar E

Portfolio | GitHub | LinkedIn

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EDUCATION

SRM Institute of Science and Technology

Bachelor of Computer Application (Data Science), GPA: 9.35

Relevant Coursework: Data Science, Data Wrangling, DBMS, Natural Language Processing, Machine Learning, Deep Learning

Chennai, Tamil Nadu

June 2023 – May 2026

Prasan Vidhya Bala Mandir Hr. Sec. School

Higher Secondary Education (12th), GPA: 8.95

Chengalpattu, Tamil Nadu

2022 – 2023

SKILLS SUMMARY

- Languages:** Python, HTML, SQL
- Frameworks:** Scikit, NLTK, Pandas, Numpy, TensorFlow, Keras, Flask, REST API, Streamlit
- Tools:** Power Bi, GIT, MySQL, AWS S3, AWS IAM, EC2, HDFS
- Platforms:** Jupyter NB, Windows, VS code, AWS,
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

PROJECTS

- AI Resume Screening System:** Developed an NLP-powered ATS tool to score resumes against job descriptions and highlight skill gaps. Integrated PDF parsing and semantic similarity to automate candidate shortlisting and improve hiring efficiency.
- ETL Automation Tool:** Architected a Python-based ETL automation framework to extract, transform, and load diverse datasets with dynamic pipelines. Automated data workflows and scheduling to increase reliability, reduce manual effort, and optimize processing performance.
- AI Decision Support System:** Engineered an AI decision support platform using machine learning and predictive analytics to generate actionable insights from data. Automated data interpretation and recommendation scoring to support informed decision-making for stakeholders.
- Sales Analysis Project:** Performed comprehensive sales data analysis using Python to extract actionable insights on revenue and product performance. Developed visualizations and summaries that highlighted growth trends and supported strategic business decisions.
- Spotify Analytics Dashboard:** Designed and developed an interactive analytics dashboard displaying Spotify listening behavior and track metrics. Leveraged dynamic visualizations and filtering to uncover trends and enhance user exploration of music data.
- AI Study Planner:** Built an AI-driven study planning system in Python implementing fatigue score computation, priority-based task scheduling, and user-input pipelines. Designed modular architecture enabling scalable feature expansion and future machine learning integration.

CERTIFICATIONS

- AWS Generative AI Foundation:** Completed AWS Generative AI Foundation course covering LLM fundamentals, prompt engineering, and applied AI workflows on AWS.
- Mastering Generative AI (GeeksforGeeks):** Completed hands-on training in LLM fundamentals, prompt engineering, and practical generative AI applications.
- Google Data Analytics Certificate:** Trained in data cleaning, analysis, visualization, and SQL to derive actionable business insights.

HONORS AND AWARDS

- Academic Excellence Award:** Secured First Rank in Mathematics at college level.
- Merit Scholarship:** Received NGO-sponsored merit scholarship for academic excellence.
- Club Excellence Award:** Recognized for outstanding performance and significant contributions to club growth and engagement.

VOLUNTEER EXPERIENCE

- Tamil Mandram Club:** Assisted in planning and executing college events with club members. Coordinated logistics and participant engagement for smooth operations.
- Freelance Video Editor:** Delivered video editing services for clients and college events, producing high-quality visual content. Managed client requirements, revisions, and timelines to ensure successful project delivery.