Shakeer Samanthapudi

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PROJECTS

Benchmarking Dataset for Telugu Sentiment Analysis - Machine Learning, NLP, XAI

- Developed a large-scale Telugu language dataset for sentiment analysis.
- Fine-tuned Transformer-based models (IndicBERT, XLM-R, MuRIL).
- Incorporated Explainable AI (XAI) techniques for bias mitigation and interpretability.

StatAnveshak - AI-driven Data Analytics Platform - ML, MERN, Data Visualization

- Built a web-based platform enabling users to perform and learn statistical analysis and ML.
- Integrated D3.js for dynamic and interactive data visualizations.
- Regression, Classification, Feature Projections, Advanced statistical tests, Data visualisation and enhanced concept learning with dynamic quizzes and learning resources.

EduFeed Sense - Faculty Feedback Sentiment AnalysisML, Flask, Transformers

- Developed a interactive web application to analyze student feedback for faculty evaluation.
- Utilized NLP models (Transformers, Flair, VADER, TextBlob) and Fine-tuned naive classification models for sentiment classification.
- Designed an interactive dashboard to present and download sentiment trends and insights.

Expenalyzia - Smart Expense TrackerFlask, JavaScript, Data Visualization

- Created a finance management platform to track, categorize, and visualize expenses.
- Implemented advanced filtering and logging mechanisms.
- Developed interactive dashboards with pie/bar charts for financial analysis.

Empathy Exchange - Crowdfunding PlatformMERN Stack, Payment Integration

- Engineered a full-stack web app for community-driven crowdfunding.
- Integrated a seamless donation system with real-time progress tracking.
- Service initiative for the community that has features to ask for help, make help by uploading their necessities.

WORK EXPERIENCE

Research Intern   Jun 2024 – Present
SRM University – AP, Amaravati

- Conducting cutting-edge research in Natural Language Processing (NLP) and Machine Learning (ML).
- Focused on sentiment analysis with Explainable AI (LIME, SHAP) for interpretability and bias mitigation.
- Fine-tuned transformer models with hyperparameter optimization on custom datasets.

Co-Convener   Sep 2023 – Aug 2024
Coding Club – SRM University, AP

- Organized and led 10+ hackathons, workshops, and technical events.
- Increased student engagement through weekly challenges and mentorship, reaching 500+ participants.

Summer Intern   Jan 2024 – Feb 2024
KCP Sugar and Industries Corporation – Vuyyuru

- Worked with the IT team on SAP-based network and system management.
- Gained hands-on experience with ABAP programming and ERP process workflows.

EDUCATION

- **Bachelor of Technology (B.Tech) in Computer Science and Engineering** 2021 – Present
  SRM University – AP
  CGPA: **9.24 / 10**

- **Intermediate (MPC)** 2019 – 2021
  M.P.R.M Sri Viswasanthi Educational Institutions
  Score: **941 / 1000**

- **Secondary School Certificate (SSC)** 2017 – 2019
  Sri Chaitanya Techno School
  Score: **600 / 600**

CERTIFICATIONS

- AWS Cloud Practitioner Associate - CLF C02 [Apr 2025]

- Machine Learning - Stanford University Deep Learning AI [Jun 2024]

- Python - NPTEL, IIT Madras [Jan 2024]

- AWS Cloud - AWS Coursera [Oct 2024]

ACHIEVEMENTS

- **Winners:** Smart India Hackathon Internal 2024, SRM University

- **Runner-ups:** Autonomous AI Hackathon 2025, Siddhartha Academy (VRSEC)

- **Qualifiers:** L&T Techgium

- **Qualifiers:** IIIT SriCity Healthcare Hackathon

RESEARCH PUBLICATIONS

- Benchmarking Dataset for Dravidian Languages (Ongoing)

- Hatespeech Dataset for Telugu Language (Ongoing)

- Sentiment Analysis of Student's and Parents' Feedback for Educational Institutes

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java

- **Technologies:** ML, NLP, XAI, MERN, Flask, Git, Data Visualization

- **Interests:** Data Science, AI-ML, Hybrid ML-MERN, Data Analytics

LINKS

- **Github**

- **Linkedin**