# Harshita Anala

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## EDUCATION

**Vivekanand Education Society Institute of Technology**                                        **2020 – 2024**
*Bachelor of Technology in Artificial intelligence and Data Science*                               *CGPA 9.23*

## SKILLS

**Programming Languages:** Python, SQL, R, Java, HTML, CSS, JS
**Frameworks & Libraries:** Django, Django Rest, Scikit-learn, TensorFlow, Celery, cassandra
**Tools & Technologies:** AWS, Git, Tableau, Power BI, openAI

## WORK EXPERIENCE

**ImpactWorks Technology Solutions Pvt Ltd**                                        **August 2024 – Present**
*Backend Developer*
- Enhanced user registration functionality by developing a custom registration form with validation and integrating email verification, resulting in a 25% increase in registration completion rates.
- Developed and implemented RESTful APIs using Django REST Framework to facilitate seamless communication between the front-end and back-end, enhancing the application's functionality and user experience.
- Implemented Celery with Django and Redis to automate background tasks, reducing task execution time by 50% and improving system responsiveness for seamless user experience.

*Data Scientist*
- Built time-series forecasting models using FB Prophet and LSTM to predict salon service demand with 80% accuracy, improving staff allocation and increasing conversion by 10%.
- Cleaned and structured 500,000+ transaction records to enable service trend analysis and optimize resource planning for 300+ locations using SQL.
- Designed and implemented ETL pipelines to automate data ingestion, transformation, and storage, ensuring seamless data workflows.

**Reliance JIO**                                                                    **May 2023 – June 2023**
*Machine Learning Intern*
- Developed an AI-powered chatbot that automated 560,000+ customer complaint resolutions, reducing handling time by 40%.
- Built automated SQL-based reporting pipelines to improve operational tracking and reduce manual reporting time by 30%.
- Applied LSTM and logistic regression models to predict complaint escalations using customer sentiment trends.

## PROJECTS

**Predictive Maintenance Of Servers** | *Python, Machine Learning, Power BI*
- Developed LSTM-based models to forecast server health metrics and reduce unplanned downtime by 15%.
- Applied stratified K-fold validation and feature tuning to improve model accuracy to 87% under real-time constraints.
- Built a real-time Power BI dashboard that alerted engineers to system anomalies, streamlining diagnostics and maintenance.

**E-Takraar – Complaint Categorization Platform** | *Python, NLP, Tailwind CSS*
- Designed a grievance classification system using TF-IDF and Random Forest, achieving 88% accuracy.
- Built a secure front-end and admin dashboard to track complaints and resolution status in real time.
- Improved resolution speed by 25% through early categorization and user feedback integration.

**Medicam** | *Python, Django, CNN*
- Developed a CNN-based disease diagnosis model using medical image data, achieving a classification accuracy of 90%.
- Performed EDA and preprocessing on diagnostic images to enhance model inputs and uncover predictive patterns.
- Created data pipelines and visualization reports to present findings to faculty and research mentors.
- Delivered technical presentations detailing model performance and practical applications in early detection scenarios.

## ACHIEVEMENTS

**Secured third prize in college level hackathon** — link
**Runner up for AI technology Day** — link
**Solved 260+ problems on leetcode** — link