Sree Abiram

⚲ Hyderabad ✉ sreeabirammandava@gmail.com ☎ 8309816750 🔗 Personal-portfolio

in Sree Abiram Mandava ⌗ Abiram116

About Me

I am a highly motivated and tech-driven undergraduate, currently pursuing my **B.Tech in Artificial Intelligence and Data Science** (2nd Year) at **Koneru Lakshmaya University**. Passionate about **AI, Data Science, and emerging technologies**, I continue to search for ways to expand my knowledge and explore innovative solutions to complex problems.

With a strong foundation in **logical thinking and problem solving**, I enjoy tackling challenges from multiple perspectives, striving for efficiency and creativity in my approach. My enthusiasm for learning new technologies drives me to stay up-to-date with the latest advances in AI, machine learning, and software development.

As a **technology enthusiast**, I am always eager to experiment with new tools, frameworks, and methodologies that shape the future of AI and Data Science. My goal is to leverage my skills and passion to contribute meaningfully to the ever-evolving tech landscape.

Education

B.Tech **Koneru Lakshmaya University**, AI & DS (Ongoing)   August 2023 – July 2027
- Current Year: 2nd Year
- GPA: 8.83
- Location: Hyderabad

12th Grade **Resonance**, Hyderabad   Completed in 2023
- Percentage: 68.8%

10th Grade **Pallavi Model School**, Hyderabad   Completed in 2021
- Percentage: 69.8%

Achievements & Certifications

Guinness World Record Volunteer (8th Grade)   Hyderabad, India
- Contributed as a volunteer in a Guinness World Record event for creating a portrait of Dr. APJ Abdul Kalam using Rubik's cubes.

LogIQids Logical Reasoning Olympiad (9th Grade)   Hyderabad, India
- Achieved **School 1st Rank** and secured **7th Rank** in the state.

Linguaskill English Proficiency (B.Tech 1st Year)   Hyderabad, India
- Secured **B2 Level Grade** in Linguaskill, a Cambridge English certification showcasing advanced English proficiency.

Projects

Recipeasy - Recipe Management Web App   github.com/Abiram116/Recipeasy
- Developed a Django-based web application for managing recipes, ingredient shopping, and meal scheduling.
- Implemented Google authentication, a calendar for recipe planning, and a responsive user interface with GSAP animations.
- Tools used: Python, Django, HTML, CSS, JavaScript.
- Live Demo: recipeasy-i7h1.onrender.com

Handwritten Digit Recognition with Django

github.com/Abiram116/ml$_project$ ↗

- Built an MNIST digit prediction model and integrated it with Django.
- Created a user-friendly web interface for users to upload handwritten digit images and get predictions.
- Tools used: Python, TensorFlow, Django, HTML, CSS.

LinSolverX - Linear Programming Solvers

github.com/Abiram116/MathCourse ↗

- Developed an LP problem solving web app using Django, integrating various LP methods such as simplex, graphical, fractional, and transportation models.
- Designed a modern and intuitive UI for solving mathematical optimization problems.
- Tools used: Python, Django, HTML, CSS.
- Live Demo: linsolverx.onrender.com ↗

SpaceLearn - AI-Powered Productivity App

github.com/Abiram116/SpaceLearn ↗

- Developed a React Native mobile app for student productivity, enabling space and subspace creation for structured learning.
- Integrated AI-based chat for learning, PDF summarization, automated assignments, and performance-based improvement suggestions.
- Tools used: React Native, JavaScript, API's, Supabase.

Image Colorization Using Deep Learning

github.com/nandhithr6/Image-Colorization ↗

- Developed a deep learning model for converting grayscale images to color using auto-encoders and U-Net skip connections.
- CUDA and cuDNN for GPU-accelerated training on RTX 4060.
- Exploring transformer-based models for further enhancement.
- Tools used: Python, TensorFlow, Keras, OpenCV, NVIDIA CUDA.

These projects reflect my passion for AI, Data Science, and software development. Each project was a learning experience that improved my skills in web development, machine learning, and UI/UI design. I look forward to working on more innovative projects with great minds.

Technologies

Languages: C, Python, Java

Technologies: Django, GitHub, VS Code, LaTeX, Node.js, React Native, Linux