P SHANMUKHAPRIYA SRAVANI

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AI/ML ENGINEER | CREATIVE NLP ENTHUSIAST | VISIONARY LEARNER

Passionate, visionary, and fiercely focused — I'm a Computer Science graduate with a strong foundation in AI/ML, driven by the desire to build ethical, real-world solutions. Whether it's developing intelligent systems for education, healthcare, or the environment, I dive deep into problem-solving with intensity, empathy, and clarity. I blend technical precision with storytelling, making my solutions functional and meaningful. As a fast learner and purpose-driven engineer, I'm actively seeking roles where I can grow with integrity, contribute with heart, and solve with impact.

PROFESSIONAL EXPERIENCE

AI/ML Project Intern - National Institute of Technology, Raipur May 2024 – June 2024

- **Project**: Developed "**SmartLoanChain**," a deep-learning-based credit score recommender system integrated with blockchain technology.
- **Objective**: Improve transparency and efficiency in lending operations, eliminating reliance on traditional credit rating agencies.
- **Key Responsibilities:**
  - Designed and implemented a Transformer model to analyze financial data and predict credit scores.
  - Evaluated the system's performance, achieving 86.4% accuracy in credit score predictions.
- **Technologies Used**: Deep Learning, Blockchain, Python, Transformer Model.

TECHNICAL SKILLS

- **Programming Languages**: Python, Java
- **Machine Learning Libraries/Frameworks:** TensorFlow, scikit-learn, Keras, NLP, LLM
- **Cloud Platforms**: Google Cloud
- **Version Control**: Git
- **Other Tools**: HTML, CSS, StreamLit, Canva, PowerPoint

ADDITIONAL SKILLS

- **Strong problem-solving and analytical abilities**
- **Excellent communication and teamwork skills**
- **Passionate about AI/ML and continuous learning in the field**
- **Process Improvement**
- **Root Cause Analysis**
- **Failure Analysis**
- **Process Development**

EDUCATION

Bachelor of Technology – Computer Science Engineering | Anurag University, Ghatkesar, Hyderabad, India

- 8.42 CGPA
- Year: 2021 - 2025

Senior School Certificate Examination – class 12 (Telangana State Board) | Narayana Junior College, Hyderabad, India

- 95.2%
- Year: 2019-2021

Secondary Education – Class 10 Central Board Secondary Education | Bhavan's Sri Rama Krishna Vidyalaya, Hyderabad, India

- 91.8%
- Year: 2019

ACADEMIC PROJECTS

Wildlife Identification & Tracking Platform   **Jan 2024 – April 2024**

- **Description**: This web platform facilitates wildlife species identification and encourages community conservation efforts.
- **Tech Stack**: Built with HTML, CSS, Java backend, and CNNs for image analysis.
- **Societal Impact**: Enhances awareness of wildlife conservation, promotes community engagement, and encourages proactive participation in preserving biodiversity, contributing to ecological sustainability.
- **Skills**: Web development, machine learning.

Automated Malaria Detection   **Feb 2024 – April 2024**

- **Description**: This project employs CNNs to identify malaria parasites in blood smear images for prompt diagnosis and treatment.
- **Tech Stack**: Utilizes Convolutional Neural Networks (CNNs) for image analysis.
- **Societal Impact**: Significantly improves healthcare outcomes by enabling timely and accurate malaria diagnosis, facilitating better treatment options, and reducing mortality rates in affected populations.
- **Skills**: Deep learning, healthcare technology.

AI-Based Career Counseling for Secondary Students   **June 2024 – Oct 2024**

- **Description**: Developed an AI-driven career counseling system that integrates gamified aptitude tests and ML-based career path predictions to guide secondary students.
- **Tech Stack**: Utilized **Random Forest** for career predictions, Google Translate API for multilingual support (Telugu, Hindi, English), and chatbot integration for personalized guidance.
- **Societal Impact**: Addresses scalability challenges in traditional counseling by providing **data-driven, accessible, and personalized career advice**. Improves career decision-making for students, especially in remote areas.
- **Skills**: Machine Learning, NLP, AI Chatbots, Web Development.

COURSERA Project Network
- COVID-19 Data Analysis Using Python

INFOSYS SPRINGBOARD
- Python Programming
- Artificial Intelligence with Python – Intermediate Level
- Java Programming

GREAT LEARNING
- Basics of Machine Learning
- Introduction to Artificial Intelligence
- Deep learning
- Prediction Project Using Python
- Python for Machine Learning
- Data visualization
- Front-end development (HTML)

IHUB DivyaSampark by IIT Roorkee by Simplilearn
- Professional Certificate Program in Generative AI and Machine Learning

LANGUAGES KNOWN

- English - Professional
- Hindi - Professional
- Telugu - Native
- Korean - Beginner
- Mandarin - Beginner

ACHIEVEMENTS

- Achieved significant recognition for contributions to university hackathons
- Participated in the MSME 3.0 Women Innovators Challenge
- Participated in Tech Hack#3, focused on Machine Learning, creating a website that can predict future Air Quality Index and give suggestions to decrease pollution, which achieved 85% accuracy, gaining appreciation from judges

EXTRA CURRICULAR

- Completed Carnatic Music Vocal Diploma from Potti Sri Ramulu Telugu University, Hyderabad, and aiming for a Master's Degree in the same field
- Story-Writing
- Self-Learning Spoken Languages