Kesava Datta

Vijayawada, Andhra Pradesh | +91-7842227346 | kesavadattagarlapati@gmail.com
https://www.linkedin.com/in/kesava-datta-a790892a3/ | https://github.com/Kesavadatta2410

Education

Woxsen University, Hyderabad 2023 - 2027
BTech in Computer Science Engineering CGPA: 8.56
Sri Bhavishya Junior College, Vijayawada 2021 - 2023
Intermediate (MPC) CGPA: 9.37/10

Technical Skills

Programming Languages: Python, Java, R, SQL, HTML, CSS
Software Tools: Blender, Maya, Unity, Adobe Illustrator, Photoshop, InDesign, Adobe XD
Technical Expertise: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Internet of Things (IoT), Federated Learning

Projects

Drainage Rides (IoT-based Automated Drainage Cleaning Machine)
- developed an IoT-enabled autonomous system for real-time drainage cleaning.
- Integrated AI-based automation to optimize cleaning routes and reduce operational costs by 30%.

Foreign-Sketch-Generator
-Implemented a forensic sketch generator using GANs, CLIP, and DeepFace, allowing users to generate sketches from text descriptions.
-Built a Flask-based web interface with Sentence Transformers for text embeddings and trained on CUFS dataset for realistic outputs.

DroneGo (Path Optimization and AI-Driven Drone Delivery)
- Developed AI-powered path optimization algorithms for autonomous drone navigation.
- Integrated real-time obstacle detection using deep learning-based computer vision models.

Research (Ongoing)

Federated Learning
- Implemented decentralized federated learning models with differential privacy.
- Researched adaptive feature selection techniques to improve model accuracy by 15%.

Statistical Optimization
- Investigating truncated distribution models along the Bonferroni curve for big data analytics.
- Applied probability theory to improve large-scale data mining processes by 20%.

Patents

Multi-Functional Dynamic Wireless Charging System for Electric Vehicles
Application Number: 202441067024 A
- Designed a wireless EV charging system to enable dynamic on-road charging.
- Developed an adaptive energy transfer mechanism to maximize efficiency.
- Integrated AI-based energy distribution algorithms to optimize power consumption.

Certifications

- Crash Course on Python - Google
- Introduction to Deep Learning & Neural Networks with Keras - IBM
- Machine Learning with Python - IBM
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - DeepLearning.ai
- Generative AI for Everyone -DeepLearning.ai
- Introduction to the Internet of Things and Embedded Systems - University of California, Irvine

Experience

Technical Executive - Civi Glo- Innovations
- Designed and developed innovative machines specifically for smart city applications.

Python Developer - Cosmic3D-Printers
- Created scripts to automate print processes and monitor print jobs in real-time

Executive, Film Club
- Curated and organized 15+ film screenings, increasing club membership by 50%.
- Managed event logistics, ensuring 90% participation from attendees.
- Established partnerships with media professionals to host expert talks on filmmaking.

President, Ankur Incubation Club (IIC)
- Heading the Ankur Club at Woxsen University, fostering entrepreneurship via events and workshops.
- Partnering with faculty and industry professionals to guide and assist innovative student startups.