

Kesava Datta

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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, Substance Painter

Technical Expertise: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Internet of Things (IoT), Federated Learning

Projects

Wheels On The Charge (Wireless Electricity Transfer)

- A wireless electricity transmission system has been developed to transfer energy efficiently between coils.
- Designed an innovative windmill to enhance electricity generation efficiency.
- Optimized coil design to achieve an increase in power transfer efficiency 20%.

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%.

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.

Experience

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.

Python Developer - Cosmic3D-Printers

- Created scripts to automate print processes and monitor print jobs in real-time