BODA MUKESH KUMAR
Undergraduate
JBIET

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EDUCATION

Degree	Specialization	Institute	Year	CPI
B.Tech	*Electronics & Computer Engineering*	JBIET,Hyderabad	2021-2025	7.0
Intermediate	*Physics, Chemistry, & Mathematics*	Sri Chaitanya Kalasala	2021	87.8
SSC	-	Hayathnagar School	2019	8.2

WORK EXPERIENCE

- **Software Engineer Intern [Workcohol Solutions]**   **Dec(2024)-Present**
  - Designing, developing, and testing software applications using Python, HTML, CSS, Django. Collaborating with cross-functional teams to implement features and enhance system performance.
  - Debugging, troubleshooting, and resolving software issues to ensure optimal functionality.

- **Data Science Intern** *[Teachnook]*   *Oct-Nov 2023*
  - Analyzed large datasets using python, Machine learning, Data visualization to uncover insights and support data-driven decision-making.
  - Developed and optimized predictive models using machine learning techniques to solve specific problems. Cleaned, processed, and visualized complex data using Pandas, NumPy to create actionable reports.

PROJECTS

- **A Novel Neural Network-Based Routing Algorithm With Optimal Resource Management For VANET Architectures**   *Nov-Dec 2024*
  - Designed and trained neural networks to optimize routing decisions based on dynamic network conditions, such as vehicle mobility, link stability, and traffic density.
  - Implemented resource management strategies to minimize network congestion, reduce latency, and improve packet delivery rates.
- **Chatbot On College (JBIET) Website**   *Sept-Oct 2024*
  - Designed and implemented an intelligent chatbot for JBIET's website to assist users with admissions, course details, campus resources, and event information.
  - chatbot provides real-time, 24/7 support, enhancing user experience and streamlining communication between students and the institution.
- **Created A Model Using Regression And Classification**   *Oct-Nov 2023*
  - Developed and implemented predictive models using regression and classification techniques to analyze and to extract useful information.
  - Utilized tools and libraries such as [Python, Numpy, Pandas] to build and optimize models for accuracy and performance.

PAPER PUBLICATIONS

- **A Novel Neural Network-Based Routing Algorithm With Optimal Resource Management For VANET Architectures[SCOPUS]**
  - Contributed to research on Neural Networks, Routing Algorithms, focusing on traffic congestion to reduce accidents.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Presented a paper in international conference 2024.
- Participated in Marathon and bagged runner-up position out of 200+ members.

TECHNICAL SKILLS

- **Languages:** Python, MySQL, HTML, CSS, JavaScript
- **Tools:** Django, Pandas, Jupiter Notebook, Google Collab, VS Code, Github, Postman
- **Moocs:** Data Structures And Algorithms, Fundamentals Of Python, Artificial Intelligence And Machine Learning, Operating Systems