PATLOLLA AKSHAYA REDDY

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PROFILE

Dedicated B. Tech student specializing in AI & ML, proficient in Python, Java, C++, C, Data Structures, and Machine Learning with hands-on experience through projects and internships. Eager to contribute to innovative software projects and optimize applications through my technical skills. Passionate about solving real-world problems and continuously enhancing technical expertise.

EDUCATIONAL QUALIFICATION

- **B. Tech in AIML** - Vardhaman College of Engineering, **CGPA: 9.76**
- **Intermediate** - Sri Chaitanya Junior College, **Percentage: 98.7%**
- **SSC** - Sri Chaitanya Techno School, **CGPA: 10.0**

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, C, Java
- **Web Technologies:** HTML, CSS, JavaScript
- **Others:** Data Structures, MySQL, Machine Learning, Deep Learning, NLP

PROJECTS

- **House Price Prediction System:** Developed a deep learning model utilizing Convolutional Neural Networks (CNN) to predict house prices based on key features such as location, size, and amenities.
- **Member Profile Setup Application:** Enabled users to sign up, sign in, and update personal information securely with features like OTP-based login and credential validation.
- **Chatbot Implementation Using NLP:** Designed a chatbot for simulating human-like conversations using Natural Language Processing (NLP).

CERTIFICATES AND ACHIEVEMENTS

- Google Cloud Computing Foundations Certificate
- NPTEL Certification in Deep Learning
- MongoDB Python Developer Path
- HackerRank Certified in Basics of Python

EXPERIENCE

AIML Intern *Indian Institute of Technology (IIT) Dharwad*   May - July 2024
- Engaged in innovative applications of AI and ML in additive manufacturing and 4D printing.
- Developed algorithms to optimize printing parameters and predict material behavior, improving efficiency and implementing real-time monitoring.

AIML Intern *National Institute of Electronics and Information Technology (NIELIT)*
Virtual Internship   August - October 2024
- Built predictive models using regression and classification techniques, leveraging machine learning frameworks.
- Optimized data workflows and evaluated models for accuracy, deploying Python-based solutions across ML pipelines.