

CHAKRADHAR REDDY PEDDAVENKATAGARI

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EXPERIENCE

AI Intern

Excl Solutions Pvt. Ltd. | Bangalore, India (Remote)

Jan 2025 – Jun 2025

- Applied machine learning techniques for TEM image analysis and particle detection, improving pipeline accuracy and performance by up to 80%.
- Developed an AI-powered internal chatbot to assist teams in accessing project documents and datasets efficiently.
- Received a Letter of Recommendation from the CEO for technical excellence and innovation.

EDUCATION

Masters in Computer Science and Engineering in AI/ML Track

University at Buffalo | Buffalo, USA

Aug 2025-Jun 2027

B.Tech in Computer Science with Specialization in Cloud Computing

SRM University | Chennai, India

Jun 2021-May 2025

CGPA: 9.64/10

SKILLS

- **Programming:** Python, SQL, C++, C, TensorFlow, Keras, OpenCV
- **Tools:** Git, Jupyter Notebook, Google Colab
- **Concepts:** Machine Learning, Convolutional Neural Network, Long Short-Term Memory, Natural Language Processing, Model Evaluation
- **Others:** Web Development (HTML/CSS/JS basics), Firebase, AWS Cloud

PROJECTS

Enhancing Biometric Authentication in Cloud Computing: Advanced Encryption, Privacy – Preserving Algorithms, and Data Anonymization Techniques

- Improved a biometric authentication system utilizing AES and RSA encryption, SHA-256 hashing, and blockchain technology to ensure the integrity, privacy, and protection of sensitive data.

Cloud-Based Medical Data Repository for SaaS Healthcare Platform

- Built a cloud-based healthcare platform enabling real-time ambulance tracking and secure patient data sharing using AES and SHA-256 encryption.

PUBLICATIONS

Neural Sequence-to-Sequence Modeling with Attention by Leveraging Deep Learning Architectures for Enhanced Contextual Understanding in Abstractive Text Summarization

- Designed a neural sequence-to-sequence model with attention for abstractive text summarization. This approach enhances contextual understanding, improving the accuracy of generated summaries. [Show Publication](#)

Efficient CAPTCHA Image Recognition Using Convolutional Neural Networks and Long Short-Term Memory Networks

- Engineered a CAPTCHA recognition system using CNNs and LSTMs, achieving 99.54% accuracy. The model efficiently handles complex CAPTCHA images, enhancing security against bots. [Show Publication](#)

ACCOMPLISHMENTS

- **Performance Based Scholarships:** ₹50,750 for 2022–2023, ₹71,750 for 2023–2024
- **iCAN Summit Scholarship 2024:** Selected for international recognition and served as Treasurer, iCAN Chennai Chapter
- **Letter of Recommendation from CEO** — Recognized by Excl Solutions' CEO for innovation, initiative, and technical skill during AI internship