PRADYUMNA CHACHAM

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EDUCATION

NC State University, Raleigh, NC — Expected May 2027
Master of Computer Science (MCS)
Coursework: Design and Analysis of Algorithms, Automated Learning & Data Analysis, Software Engineering

MVSR Engineering College, Hyderabad — May 2025
B.Tech in Computer Science and Engineering(CSE) — **CGPA: 9.45/10.00**
Coursework: Data Structures, Object-Oriented Programming, Database Management Systems, Operating Systems, Artificial Intelligence & Machine Learning, Computer Networks.

TECHNICAL SKILLS

Programming & Scripting	C,C++,Java,Python,SQL,HTML, CSS, JavaScript
AI-ML	Machine Learning-Stanford, Altair Machine Learning
Data Analytics	AWS Data Analytics, Altair Data Engineering
Software Development	AWS Cloud Foundations

INTERNSHIP EXPERIENCE

- **Accenture - Packaged App Development Associate Intern**, Feb 2025 - Jun 2025
  - Developed end-to-end **WMS transaction workflows** in **Oracle PL/SQL**, executing over 50 transaction cycles with **100% accuracy**, strengthening enterprise application reliability and understanding of transactional integrity in supply chain operations.
- **Osmania University - Student Intern**, Apr 2024 - Jun 2024
  - Built a real-time **Object Tracking System** using **YOLOv9 + DeepSORT**, tracking 500+ objects across video frames with **73% IDF1** and **92.5% ID Precision**, demonstrating practical application of computer vision in real-world scenarios.
- **PHN Technology Pvt Ltd - Student Intern**, Apr 2023 - Jun 2023
  - Designed **ML regression models** on a demographic dataset of **10,000+ records**, generating actionable insights through Python-based **data visualization**, enabling the company to identify key population trends and inform strategic decisions.

PROJECTS

Offensive Language Identification in Telugu — *Jan 2025 - Apr 2025*
Built an **offensive language detector** for Telugu using **data augmentation** (backtranslation, paraphrasing, synonym replacement) and fine-tuned transformer models, achieving **82.64% accuracy** with IndicSBERT.

RESEARCH PUBLICATIONS

- **Enhancing Telugu Abusive Language Detection Using Word Embeddings and BERT Models** – *Proc. 2nd Int. Conf. on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC)*, IEEE, 2024. IEEE Xplore
- **Enhancing Telugu Sarcasm Classification Models with Word Embeddings in Imbalanced Datasets** – *Proc. 12th Int. Conf. on Frontiers of Intelligent Computing: Theory and Applications (FICTA)*, Springer, 2024. Springer Link
- **Automated Detection of Offensive Content in Social Media** – *Int. Conf. on Interdisciplinary Research for Sustainable Development (IRSD)*, 2024. Google Scholar

LEADERSHIP ROLES & ACHIEVEMENTS

- Gold Medalist, student with highest CGPA in Computer Science department, MVSR (2025).
- Chair, IEEE Computer Society Student Branch (2024-25)
- Top 1400 of 6000 teams globally, IEEE Xtreme 18.0 24-hour Hackathon