MANDLEM CHAKRADHAR REDDY

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EDUCATION

National Institute of Technology, Silchar — Assam, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 8.11 — Dec 2021 - June 2025

FIITJEE Junior College,Hyderbad — Telangana, India
12th Boards, SSC ; Percentage: 96.4 — June 2018 - June 2020

Sri Chaitanya School, Hyderabad — Telangana, India
10th Boards, SSC ; CGPA: 9.3 — June 2017 - May 2018

EXPERIENCE

Samsung R&D — Noida
Intern — Jan 2025 - June 2025
- Developed an evaluation framework for a mobile AI agent that performs user tasks by capturing screenshots and interacting with an LLM, reducing evaluation time by 66%.
- Implemented critical task detection to prompt manual user action to ensure safety and control.

Accenture [Certificate] — Hyderabad
Intern — May 2024 - July 2024
- Designed and developed a frontend web-based platform to streamline automation testing processes.
- Implemented a reporting dashboard to visualize test results and identify areas for improvement.

PROJECTS

Fingerprint Detection using perceptual hashing — [GitHub link]
Convulutional Nural Networks
- Developed a CNN-based perceptual image hashing algorithm to detect fingerprint similarity against distortions.
- Achieved 89% accuracy with a ResNet-50 model by modifying the convolution layer for grayscale input and customized fully connected layers.
- **Libraries**: PyTorch, Numpy, Matplotlib, Keras

Human vs AI — [GitHub link]
Deep Learning Classification Models
- Developed and implemented deep learning classification models to detect AI-generated texts.
- Achieved 98% accuracy with the BERT model, significantly enhancing text analysis capabilities.
- **Libraries**: Matplotlib, Numpy, Pandas, Sklearn, Keras

SKILLS

- **Languages**: Python, C, C++, JavaScript, HTML, CSS, Dart, SQL
- **Frameworks/Libraries**: Numpy, Pandas, Matplotlib, Scikit learn, ReactJS
- **Courseworks**: Data Structures and Algorithms, Machine Learning, Deep Learning, NLP, OOPS, DBMS, OS
- **Platforms**: Google Colab, AWS, GIT, Linux, Windows, Figma, Adobe Illustrator

POSITION OF RESPONSIBILTY

Computer Science Society, NIT Silchar — Assam, India
Design(UI/UX) Wing Head — August 2023 - May 2024
- Mentoring and coaching team members to help them improve their design skills and deliver high-quality work.
- Improving UI/UX for official Computer Science Society website.

Computer Science Society, NIT Silchar — Assam, India
Design(UI/UX) Wing Member — November 2022 - August 2023
- Designed the official Computer Science Society website, ensuring visually appealing user experiencer.
- Conducted user testing and gathered feedback to inform design improvements.
- Demonstrated proficiency in design software including Figma, Adobe Illustrator, Lightroom and Canva.

Gyansagar, NPO, NIT Silchar — Assam, India
Design Member — Jan 2022 - May 2024
- Working on designing posters for several events using Canva and Adobe Illustrator.

CERTIFICATIONS

- Supervised Machine Learning [Certificate]
- Advanced Learning Algorithms [Certificate]

AWARDS AND ACHIEVEMENTS

- Finalist of Myntra Codeathon 2023 - November, 2023 [Certificate]
- Reached Knight(rating:1951) and solved over 600 problems in Leetcode [Leetcode Profile]
- Winner of Yearly UI/UX Contest, Abacus, CSS NIT Silchar - April, 2023 [Certificate]