RAHUL ASAM

(+91) 9701597895 · rahulasam007@gmail.com · linkedin.com/in/asam-rahul · github.com/Rahulyzk-007

A highly analytical and results-driven Computer Science student with a strong foundation in data structures, algorithms, and machine learning. Proven ability to translate complex data into actionable insights and build robust data-driven solutions, eager to contribute to product decisions at Meta.

Osmania University Nov 2021 – May 2025
Bachelor of Engineering in Computer Science
CGPA: 9.15/10.0

Data Science Intern, Solix Technologies *May 2024 – July 2024*

- Engineered a hybrid CNN+BiLSTM model for high-accuracy handwritten text recognition, classifying diverse content with proven reliability.
- Developed a Streamlit web application for real-time document processing, automating extraction and classification of unstructured data (e.g., cheques, receipts) to enhance data accessibility.
- Orchestrated end-to-end data preprocessing, model training, testing, and debugging workflows, ensuring robust system reliability and performance.

Research and Development Intern, Tejas Networks *Jan 2025 – Present*

- Developed and automated comprehensive Python-based test suites for advanced networking features, ensuring rigorous protocol compliance and system stability.
- Identified and resolved critical defects through in-depth debugging, regression, and stress testing, significantly enhancing feature reliability and system robustness.
- Optimized end-to-end testing by automating workflows and refining test logic, increasing coverage and speed.

X-rays Detection Model | *Python, TensorFlow, CNNs, VGG16, ResNet, Streamlit*

- Developed a convolutional neural network (CNN) model achieving over 90
- Created a user-friendly interface for easy interaction with the model's results.

Social Media Account Legitimacy Check | *Python, TensorFlow, ANN, Pandas*

- Built a machine learning model to identify fake social media accounts with high accuracy by analyzing username credentials.

- **Languages:** Python, Java, SQL (MySQL, PostgreSQL), JavaScript, HTML, CSS
- **Libraries:** TensorFlow, Keras, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Tools:** Git, Google Cloud Platform, VS Code, Jupyter Notebook
- **Machine Learning:** Classification, Regression, CNN, ANN, LSTM, Computer Vision

- Secured a full merit-based scholarship for outstanding academic excellence.
- Consistently ranked among the top 3