Rithwik Lagishetty

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EDUCATION

New Jersey Institute of Technology Newark, NJ
Master of Science in Computer Science December 2025
GPA: 4.0/4.0
Selected Coursework: Data Management System Design, Machine Learning, Big Data, Operating Systems Design, Software Project Management

Mahindra Ecole Centrale Hyderabad, India
Bachelor of Technology in Computer Science and Engineering August 2023
GPA: 8.6/10
Selected Coursework: Data Structures, Web Programming, Machine Learning, Computer Networks, OOP, Computer Networks

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WORK EXPERIENCE

Cognida.ai Hyderabad, India
Software Developer (Full-Time) August 2023 – October 2023
Undergraduate Software Developer Intern February 2023 – July 2023
- Collaborated with cross-functional teams to design and develop a mobile application using Microsoft PowerApps, streamlining assignment status updates for clients.
- Contributed to AI-powered product development, including Zuno.Predict, DocAI, and Phia IceBot, by integrating Image Processing (OCR), Natural Language Processing (NLP), and Machine Learning capabilities.
- Enhanced application functionality by leveraging Java Full Stack development expertise, modernizing existing solutions and ensuring optimal client satisfaction.
- Streamlined development and deployment processes by supporting automation workflows and ensuring seamless product delivery aligned with client requirements.

PerspectAI Hyderabad, India
Undergraduate Inside Sales and Technical Intern July 2022 – October 2022
- Conducted extensive market research to identify target audiences and analyze current trends, aiding strategic decision-making.
- Gained cross-functional experience by collaborating with technical teams, including testing, development, and design, to enhance domain knowledge.
- Enhanced understanding of market dynamics by integrating technical expertise with sales strategies, bridging gaps between technical and business teams.
- Supported technical initiatives by contributing to the development and optimization of solutions, aligning with organizational goals.

ACADEMIC PROJECTS

AD MAKER (Undergraduate Research Project) **Mahindra University/January 2022- December 2022**
- Designed an interactive model to generate advertisement concepts by leveraging inputs such as product type and desired emotion to produce unique and targeted ad ideas.
- Implemented advanced NLP techniques using libraries like ConceptNet and NRCLex to filter and analyze semantic and emotional attributes for creative ad generation.
- Utilized GPT-3 integration to create compelling stories and advertisement ideas, enhancing the relevance and engagement of outputs.
- Optimized results through data-driven testing, using commercial ad datasets to refine and validate the tool's effectiveness in generating accurate and innovative ad suggestions.

HOSTEL MANAGEMENT APP **Mahindra University/May 2022**
- Developed an Android app to streamline hostel management by automating complaint handling and leave token issuance, eliminating the need for manual intervention.
- Introduced an OTP verification process for leave token issuance, ensuring parental consent through a secure code sent directly to their phones, eliminating the need for manual verification.
- Leveraged Firebase Database to store student information retrieved from the university's database, while implementing Firebase Authentication for secure login and OTP-based verification.

SKILLS

Programming Languages: *Python, Java, C, Javascript, C#. .NET*
Machine Learning Libraries: *TensorFlow, PyTorch, Scikit-learn, OpenCV, Numpy, Pandas*
Databases: *SQL, Neo4j, MongoDB*
Development Tools: *React, Android Studio, Figma, Microsoft Power Apps, IntelliJ, Git, AWS*