

# MANNI MEGNA NOOKALA

Hyderabad, Telangana

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## Professional Summary

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- Proficient in **JavaScript** and **Node**, with hands-on experience in **RESTful API** design, **Express.js** backend development, and microservices architecture.
- Well versed in designing and implementing **Machine Learning** projects in sentiment analysis and Deep Learning, applying **NLP** and data analysis techniques with **Python libraries**.
- Skilled in **Git version control**, managing code through commits, branching, merging, and pull requests.
- Engaged with **Agile practices**, including sprint planning, execution, regression testing, retrospectives, and iterative development.
- Hands-on experience application development, including **Unit Testing**, debugging UI issues, and implementing feature enhancements.

## Experience

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### Pega Systems

Apr 2025 – Oct 2025

#### Associate Applications Engineer Intern

- Implemented Search / Sort for Screens and created Jest unit tests for Task Tags APIs, ensuring efficient data filtering and reliable request/response handling.
- Delivered bug fixes and feature enhancements in Process Mining, including resolving incorrect task/tag rendering and broken sorting in Screen Admin pages, strengthening usability, accuracy, and stability.
- Conducted end-to-end regression and QA testing for releases 25.2 and 25.3, covering connectors, dashboards, timelines, KPIs, and access control validations.
- Collaborated in Agile processes through sprint planning, daily stand-ups, and retrospectives, while achieving Pega CSA certification with strong knowledge of case management and application architecture

## Technical Skills

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**Languages :** Python, Node, Express.js

**Frontend Technologies :** HTML/CSS, JavaScript, React, Redux

**Developer Tools :** VS Code, Postman

**Version Control :** GitHub

**Skills :** Machine Learning, Deep Learning, Natural Language Processing, RESTful API

**Packages :** Pandas, Numpy, Matplotlib, Seaborn, Scikit Learn, Tensorflow, NLTK

**Miscellaneous :** Agile Studio, Playwright, Gherkin, Cucumber

## Projects

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### Swiftcart API - Streamlining the Shopping Experience.

- Designed and implemented a RESTful API using Express.js for seamless cart management, including adding, editing and retrieving cart items.
- Integrated dynamic cart total calculation and applied CORS policies for smooth frontend-backend communication and deployed the backend codebase on Vercel.

### Amazon Real-Time Sentiment Analysis

- Developed a Sentiment Analysis model for Amazon data using an optimized LSTM architecture with embeddings and dropout layers, improving sentiment analysis efficiency by 80%.
- Led comprehensive data pre-processing procedures, including text cleaning, tokenization, and word embedding, on a dataset retrieved via API, resulting in a 25% accuracy boost over baseline models.

## Education

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### Masters in Technology

Aug 2023 – June 2025

Gandhi Institute Technology And Management (GITAM) University | Computer Science | 8.73

### Bachelors in Technology

Aug 2018 – June 2022

Institute of Aeronautical Engineering | 7.08