

P. Naga Sai Ram

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PROFESSIONAL PROFILE

MSc Computer Science candidate (University of East London) and front-end-engineer with 2.6 years' commercial Angular experience and hands-on ML research in NLP and Graph Neural Networks. Experienced building production web applications and data-driven ML models (BERT, LSTM, GraphSAGE). Seeking junior Data Scientist / ML Engineer roles where I can apply NLP, graph modeling, and engineering skills to production ML systems.

EDUCATION

MSc Computer Science — University of East London, UK

2024 – 2026 (ongoing)

Key modules: Artificial Intelligence; Big Data Analytics; Cloud Computing.

DISSERTATION (KEY PROJECT)

Fake Review Detection Using NLP & Deep Graph Models

Dataset: 40,000 e-commerce reviews

Tech: Python, PyTorch/TensorFlow, Hugging Face (BERT), LSTM, TF-IDF, PyTorch Geometric / GraphSAGE, scikit-learn, NetworkX, pandas, matplotlib, Jupyter Notebooks

Summary:

- Built and compared text-based classifiers (TF-IDF + logistic regression, LSTM, BERT) for fake/real review classification.
- Constructed a user-product-review graph and trained a GraphSAGE model to capture relational patterns (user-review-product edges).
- Combined textual embeddings and graph embeddings in a hybrid classifier; evaluated with precision, recall, F1 and confusion matrices; performed error analysis and ablation studies.
- Produced reproducible notebooks and model evaluation artifacts (confusion matrices and detailed metrics).

TECHNICAL SKILLS

Languages & Libraries: Python (pandas, NumPy), JavaScript/TypeScript, scikit-learn, PyTorch/TensorFlow, Hugging Face Transformers, NetworkX, PyG (PyTorch Geometric)

Data & ML: NLP (TF-IDF, LSTM, BERT), Graph Neural Networks (GraphSAGE), model evaluation, feature engineering

Data Engineering & Tools: SQL (basic), Jupyter, Git, Docker (familiar), AWS (auth integration experience), Excel

Frontend & Dev: Angular, NgRx, Tailwind CSS, Bootstrap, responsive UI, REST API integration, unit testing (Jasmine/Karma)

Other: Agile/Scrum, code reviews, CI/CD (conceptual)

PROFESSIONAL EXPERIENCE

Pratian Technologies — UI Developer

Bangalore · May 2022 – Aug 2024

- Delivered production Angular single-page applications for recruitment and telehealth domains; worked closely with backend APIs and UX teams.
- **Job Check (First Meridian)** — built candidate filtering, shortlisting and offer workflows; implemented API integration, lazy-loading modules and PWA features to improve UX and performance.
- **Connect To My Doctor (CMD)** — implemented appointment booking and patient history interfaces across mobile and desktop; integrated API endpoints and ensured data consistency.
- Followed Agile processes, participated in sprint planning, performed unit testing, and took part in code reviews.
- Transferable outcomes: disciplined codebase practices, data handling from APIs, and building performance, tested UI components useful in data product interfaces and ML dashboards.

RELEVANT PROJECTS & WORK SAMPLES

Dissertation repo — *Fake Review Detection*

- Notebooks: data preprocessing, model training/evaluation, hybrid model integration, confusion matrices, error analysis.
- Includes model checkpoints and requirements for reproducibility.

CERTIFICATIONS

- AWS Cloud Foundations

- MATLAB Certifications (MATLAB Onramp, Machine Learning, Image Processing Onramp, Deep Learning Onramp)
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ACHIEVEMENTS & ADDITIONAL ACTIVITIES

- Implemented authentication/AuthGuard workflows using AWS console for enterprise Angular projects.
 - Participated in code reviews and introduced performance improvements (lazy loading, AOT) reducing load times.
 - (Add any certifications, Kaggle ranking, courses — e.g., “Completed cursory course on ML/Deep Learning” if true.)
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PROFESSIONAL REFERENCES

Available on request.