SPARSH BISEN

+91 76192 25222 ⋄ Bengaluru, Karnataka

sparshbisen@gmail.com ⋄ linkedin.com/in/sparshbisen/ ⋄ [Portfolio]

OBJECTIVE

An AI/ML enthusiast with experience at DRDO's DYSL-AI Lab, specializes in developing and testing machine learning algorithms for defense applications.

EDUCATION

Bachelor of Engineering, Don Bosco Institute of Technology   Expected May 2025
Computer Science and Engineering

SKILLS

Technical Skills	Java, Python, Transformers, BERT, Tokenization, NER, SQL, Jupyter Notebook, GitHub
Soft Skills	Problem Solving, Research and Innovation, Time Management, Adaptability
Framework	Scikit-learn, PyTorch, Keras, Pandas, NumPy, spaCy, NLTK, Transformers (by Hugging Face)

EXPERIENCE

AIML Intern   Oct 2024 - Mar 2025
Defence Research and Development Organisation (DRDO)   *Bengaluru, Karnataka*

- Developed and tested AI/ML algorithms for defence applications, focusing on advanced pattern recognition and predictive analytics.
- Researched and implemented LLM (Large Language Models) for NLP-driven intelligence systems, enhancing automated text processing and comprehension.
- Applied deep learning and NLP techniques for signal processing, entity recognition, and decision-making in mission-critical scenarios.

Student Ambassador   Nov 2022 - Present
Microsoft   *Bengaluru, Karnataka*

- Started as a Student Ambassador (Alpha), engaging with the community through tech workshops and learning Microsoft technologies.
- Progressed to Beta Ambassador, leading initiatives, conducting hands-on sessions, and mentoring peers in AI/ML, cloud, and development tools.

PROJECTS

AI-Powered Resume Parser and Job Matcher. [Tech Stack: NLP (SpaCy, BERT), Machine Learning, Pandas]. Extract structured data (skills, experience, etc) from resumes. Match candidates to job descriptions based on similarity scores. Use deep learning (BERT) for entity recognition.

Self-Healing Code: AI Debugging Assistant. [Tech Stack: NLP (CodeBERT, OpenAI Codex), Machine Learning]. Analyze code errors and automatically suggest or apply fixes.Train on GitHub bug-fix commits. Use CodeBERT or OpenAI Codex for bug detection and fixing.

Multi-Modal Fake Review Detection. [Tech Stack: NLP (BERT, Transformers), Pandas, ML]. Identify fake online product reviews using text patterns and metadata. Train a model on both review content and reviewer behavior. Use Graph Neural Networks (GNNs) to analyze reviewer networks.

EXTRA-CURRICULAR PROJECTS

- Researched on an innovative idea aimed at energy generation through vehicles. By integrating small wind mill type components, this concept proposes a sustainable solution for generating energy. The idea involves capturing excess energy generated while driving. As of now, in the process of developing a patent for this technology.