Sandesh Shrikant Hegde

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SUMMARY OF QUALIFICATIONS

A results-driven AI/ML student with a strong foundation in Data Science, Deep Learning, NLP, Generative AI and Software Development. Skilled in building and deploying scalable systems, implementing statistical analysis, and designing efficient data pipelines. Experienced in translating complex problems into actionable solutions. Eager to contribute to projects at the intersection of artificial intelligence, data engineering, and product development.

EDUCATION

The National Institute of Engineering — Mysuru, India
Bachelor of Science in Computer Science-Artificial Intelligence & Machine Learning (CGPA: 9.264) — 2026

Rashtrotthana Vidya Kendra (Tapas) — Bengaluru, India
12th CBSC Board, Science (Percentage: 91.8%) — 2022

Sri Ramakrishna Vidyashala — Mysuru, India
10th Karnataka State Board (Percentage: 96.8%) — 2020

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, R
- **Web & Development:** HTML, CSS, React, Django, Flask
- **Databases:** MySQL, MongoDB
- **Software/Tools:** Git, GitHub, MLFlow, AWS, OpenCV, Excel, Power BI, Tableau
- **Machine Learning & AI:** NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Hugging Face Transformers

RELEVANT EXPERIENCE

Plasmid Innovations Ltd — Bengaluru, India
Machine Learning Intern — May – July 2024

- Developed and deployed an NLP-based spam news classification model using TensorFlow and Scikit-learn. Applied feature extraction techniques (TF-IDF, word embeddings), optimized hyperparameters, and improved accuracy to 90%
- Built dynamic Power BI dashboards by collaborating with cross-functional teams, enhancing executive visibility into KPIs and enabling data-driven quarterly planning and resource allocation.

PROJECT EXPERIENCE

End to End ML - Spam News Detection | Python, Pandas, TensorFlow, Scikit-learn — Mysuru, India

- Developed an end-to-end spam news classification system using NLP and ML models (SVC, NB, RF, XGB), achieving 97%+ accuracy; performed detailed model evaluation to select the optimal algorithm.
- Implemented robust MLOps practices including Git, DVC for version control, and deployed the solution on AWS S3 with full logging and exception handling for production-grade reliability.

Football Player Analysis Using Computer Vision | Python, YOLOv8, OpenCV — Mysuru, India

- Built an end-to-end football analytics system using YOLOv8, OpenCV, and OCR to detect and track players, ball movement, and actions from broadcast videos.
- Integrated FastAPI backend, MongoDB, and Gemini 2.0 chatbot to deliver real-time coaching insights and visualized player performance statistics.

Online Voting System | Python, Django, HTML, CSS — Mysuru, India

- Developed a secure and scalable Online Voting System using Django and MySQL, strengthening my understanding of authentication, role-based access control to improve election transparency and integrity.
- Gained practical experience in full-stack development, system design, and security auditing, while working collaboratively in a team and applying version control for a structured project delivery.

CERTIFICATIONS

- Core Employability Skills Certification | Wadhwani Foundation
- Artificial Intelligence Fundamentals, Data Analytics Essentials, Data Visualization & Dashboard Essentials | IBM

HACKATHONS AND COMPETITIONS

- Innovista Minor Project Expo 2024 | Runner-Up
- FOSSHACK National-Level Hackathon 2025 | Text Summarization (NLP, AI/ML)
- Tech Spark State level Mini Project Expo 2025 | 2nd Runner Up (Awarded for Football Player Analysis)