GANESH PATIL

Pune, Maharashtra

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Education

Bracts Vishwakarma Institute of Information Technology

Nov 2022 - June 2026

*BTech in Artificial Intelligence and Data Science (**8.15 CGPA**)*   *Pune, India*

Pratap College

Aug 2020 - May 2022

*HSC 12th (**78.83%**)*   *Amalner, India*

ST. Mary English Medium School

*SSC 10th (**89.60%**)*   *Amalner, India*

Technical Skills

Languages: Java, C++, Python, MySQL, JavaScript

Technologies: Data Structure, Tableau, Azure, Git

Frameworks: Spring Boot, Hibernate, React, Angular

Projects

Airport Management System / *MySQL* | *Link*

- Created an Airport Management System in Python using MySQL and Tkinter, reducing operational errors by 30% and streamlining data management, cutting manual entry time by 40%.

Spell Recommendation System / *Trie Data Structure* / *Link*

- Engineered and optimized a robust Trie using a 300,000-word dataset alongside an edit distance algorithm; enhanced word lookup speed by 40% and achieved 98% accuracy in spelling corrections.
- Boosted system reliability by integrating robust file handling and proactive error management protocols; achieved a 50% reduction in critical failures and increased overall system uptime by 35%.

Image Caption Generator system / *Machine Learning* |

- Developed and implemented a CNN-LSTM architecture for image captioning, leveraging deep learning techniques to extract visual features and generate descriptive captions.
- Integrated Gemini Pro model, enhancing project functionality by leveraging cutting-edge natural language processing capabilities for tasks like text generation, summarization, or contextual understanding.

Fake News Detection using NLP / *Transformer Models, Natural Language Processing* | *Link*

- Developed a comprehensive NLP framework capable of processing and analyzing thousands of news items daily to detect misinformation; findings contributed to rectifying critical flaws in existing classification methods for improved accuracy.

Achievements and Certifications

- Member at Artificial Intelligence Student Association (AISA), VIIT.
- IBM Data Science Certification from Coursera.
- Building Transformer-Based NLP Applications from Nvidia.
- Networking (Basic) Certification from Cisco.

Profile Links

- Hacker rank (Java and C++ 5-star certification).
- GitHub
- Leetcode(Solved over 400 questions) rating - 1594.