GANESH PATIL

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EDUCATION

BRACT's Vishwakarma Institute of Information Technology, Pune **October 2022 – May 2026**
B.Tech - Artificial Intelligence and Data Science - CGPA - 8.32 *Pune, Maharashtra*

EXPERIENCE

Espyr.io ↗ **June 2025 – August 2025**
Software Developer Intern *Remote*
- Developed a full-stack coding platform with an AI mentor, enabling real-time code feedback and improving candidate problem-solving time by 40%.
- Developing a multi-agent AI system to deliver context-aware mentoring, feedback generation, and dynamic session tracking.

PROJECTS

Car Rental Management System ↗ | Spring Boot, MySQL, Angular, JWT **2025**
- Built a full-stack car rental platform with JWT-based authentication and role-based access using Spring Security and stateless session design to improve API responsiveness.
- Enabled car booking, user registration, and booking management through structured RESTful API responses and clear feedback for reliable client communication.

AI-Powered College Placement Portal ↗ | Spring Boot, FastAPI, SQL, JWT, NLTK **2025**
- Developed a AI-powered placement portal to streamline the campus recruitment process by connecting students, companies, and administrators on a single platform.
- Engineered an AI-powered resume processing module to automatically extract skills from resumes and calculate a match score between a student's profile and a job description using TF-IDF and Cosine Similarity, generating a ranked list of suitable candidates.

Smart Typing Assistant ↗ | Data Structure, Edit Distance Algorithm **2024**
- Engineered and optimized a robust Trie using a 300,000-word dataset alongside an edit distance algorithm; achieved 90% accuracy in spelling corrections.
- Implemented spell-check and correction by combining Trie-based word lookup with an edit distance algorithm (up to distance 2), allowing suggestions for misspelled words with high relevance and efficiency.

RESPONSIBILITY

AISA VIIT ↗ | Active Member *June 2023 – July 2024*
- Coordinated 5+ technical events (workshops, seminars, peer sessions) for 150+ attendees; improved student engagement and facilitated knowledge-sharing in AI and Data Science.
- Co-organized Vizathon hackathon with 120+ participants from 10 colleges; guided teams in applying AI-driven visual insights in creative formats.

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, TypeScript
Technologies: Spring Boot, Spring Security, Angular, Scikit-learn, NumPy, Pandas, JDBC, Hibernate, RESTful APIs, Docker, JUnit
Tools: IntelliJ IDEA, VS Code, PyCharm, Postman, Git/GitHub, MySQL Workbench, Tableau, DBeaver

CERTIFICATIONS & ACHIEVEMENTS

- Published a paper on 'Analyzing and Implementing Pathfinding Algorithms for Flight Route Planning in Java' at ICICT-2025 ranked in the top 5% of 800+ submissions selected for IEEE Xplore indexing.
- Solved **700+** problems on LeetCode — Current Rating: **1667**
- Building Transformer-Based NLP Applications – NVIDIA Deep Learning Institute.
- Machine Learning A-Z: AI, Python & R — Udemy.
- IBM Data Science Professional Certificate – Coursera.