GANESH TIWARI

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CAREER OBJECTIVE

Backend-focused Software Engineer with strong problem-solving ability and experience in designing scalable backend systems. Proficient in Python, C++, and SQL, with hands-on experience building and optimizing full-stack applications. Solved 1000+ DSA problems and apply algorithmic thinking to deliver clean, efficient, and data-driven solutions.

EDUCATION

B.Tech (CSE) | Maharana Institute of Professional Studies, Kanpur (2022 – 2026) - CGPA: 7.81/10
Intermediate (CBSE Board, 2021 – 2022) – 82%
High School (CBSE Board, 2019 – 2020) – 75%

TECHNICAL SKILLS

- **Programming:** Python, C++, C, JavaScript
- **Data & Databases:** SQL (MySQL, PostgreSQL), Query Optimization, Schema Design
- **Web Technologies**: React.js, Django Rest Framework, HTML5, CSS3, Responsive Design
- **Backend and APIs:** Rest APIs, JWT, Authentication, Error Handling
- **Core:** Data Structure & Algorithms, OOPs, CN, OS, DBMS.
- **Problem Solving:** Competitive Programming, Algorithm Optimization
- **Tools:** Power BI, Git, MS Excel

PROJECTS

- **PostX (React, Django, Django REST Framework) | 2025 | LINK**
  - Designed and implemented scalable backend APIs handling authentication, user profiles and content workflows.
  - Implemented **JWT-based secure authentication** and role-protected endpoints, improving system security.
  - Applied structured debugging and troubleshooting to resolve production-level issues.
- **Song Recommendation System (Flask, HTML) | 2025 | LINK**
  - Built backend services to process user Interaction data and generate personalized recommendations.
  - Utilized collaboration filtering and deep learning techniques to improve recommendation accuracy.
  - Improved recommendation relevance through data preprocessing and models evaluation.
- **Market Business Analysis --OLA Dataset (Power BI, SQL, Python) | 2024 | LINK**
  - Analyzed 103K+ data entries to extract insights and visualize key performance metrics using Power BI.
  - Demonstrated stakeholder communication by translating technical findings into business-friendly insights.
  - Designed optimized queries and data models, reducing query execution time by 30%.

CERTIFICATIONS

- Certified Network Security Practitioner (The SECOPS Group) | 2024 | LINK
- Programming with GenAI (NPTEL) | 2025 |
- Database Management System (NPTEL) | 2025

ACHIEVEMENTS

- Winner, Tech-X-Po 2023 (MPGI) – Built Blood Donation System using Web3.
- Solved 1000+ problems on LeetCode with Contest Rating 1660.
- Solved 800+ problems on GeeksforGeeks (College Rank 1 with 1606 contest Rating).
- Google Arcade 2024 - Standard Milestone Achiever.
- Selected in National level (SIH) Hackathon 2025.
- Finalist (24th Rank) - CodeCrafter Challenge 2025 (Unstop).