

# Gauri Pame

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## Summary

MCA graduate with expertise in Python, Django, React, and SQL, skilled in **developing responsive, user-friendly web applications and machine learning projects**. Proven ability to write clean, efficient, and **maintainable code while delivering high-impact solutions**. Quick learner, adaptable to emerging technologies, and motivated to contribute to innovative, forward-thinking development teams.

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## Skills

- **Programming & Frameworks:** Python, C, C++, Java, SQL, Django, React.
  - **Database Management:** MySQL, PL/SQL, Oracle, MongoDB.
  - **Tools & Libraries:** NumPy, Pandas, Scikit-learn, Visual Studio Code, Jupyter Notebook
  - **Software Development Practices:** Clean coding (PEP 8), SDLC concepts
  - **Collaboration & Learning:** Teamwork, adaptability, quick learning
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## Projects

### Hearing Loss Detection Using Machine Learning

[Python, Scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, Streamlit]

- Developed a Hearing Loss Detection System using **Gradient Boosting, achieving 89% accuracy** in predicting hearing loss based on age, dB level, gender, and physical score, enabling early detection.
- Documented system architecture, methodology, and evaluation metrics (**accuracy, precision, recall, F1-score**) with modular reports, **improving project clarity and stability by 30%**.

### Blood Bank Management System

[Python, Django, REST API, PostgreSQL, Celery]

- **Built a system that provides real-time blood inventory tracking, donor–patient matching, and secure role-based access.**
- It streamlined donation **workflows, minimized errors**, and improved accessibility during **critical healthcare situations**.

### Heart failure prediction

- Developed a **heart failure prediction model** in Python (Jupyter Notebook) with **86% accuracy** using **scikit-learn**.
  - Enhanced **performance by 5%** through preprocessing, feature engineering, and model optimization.
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## Education

### Master of Computer Applications(MCA) | Anurag University | CGPA 8.30 |2023 - 2025

- During my academic career, I gained expertise in various fields including Java programming, Data Structures, SQL, Data Science, and Software Development.

### Bachelor of Computer Science(BCS) | STRMUN University | CGPA 8.94 | 2021 – 2023

- During my academic career, I gained expertise in various fields including Python programming, Data Structures, SQL, Data Science, and Software Development.