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SHUBHAM KOSHTI

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Email: koshtishubham04@gmail.com Portfolio: https://koshti.github.io/SHUBH-Portfolio/

EDUCATION

Godavari Institute Of Management & Research, Jalgaon (KBCNMU) — **2025 – 2026**
Master of Computer Applications (MCA) — *Pursuing*

G H Raisoni College Of Engineering And Management, Pune (SPPU) — **2021 – 2024**
Bachelor's in Artificial Intelligence — CGPA: 8.72

Government Polytechnic, Jalgaon (MSBTE) — **2018 – 2021**
Diploma in Computer Engineering — Percent: 89.60

SKILLS SUMMARY

- **Languages:** Python, SQL, .NET, C#
- **Database:** SQL Server, PostgreSQL, MongoDB
- **AI Techniques:** Machine Learning, Deep Learning, NLP, Computer Vision
- **Libraries:** Pandas, Numpy, Tensorflow, Seaborn, Sci-kit learn, Matplotlib, Fine Tuning, PyQt5
- **Framework:** Flask, Tkinter, Custom Tkinter, Django Ninja, FastAPI, AES Blockchain (Cipher)
- **Tools:** Git, Docker, VS Code, Google Colab, Jupyter Notebook, Visual Studio
- **Soft Skills:** Problem Solving, Critical Thinking, Active Listening

WORK EXPERIENCE

e-Beta Innovations LLP — **Dec 2023 – Jun 2024**
Software Developer

- Developed a Raw SQL Query Execution Platform using Django Ninja, ensuring secure RESTful APIs and supporting PostgreSQL and SQLAlchemy for dynamic database interactions.
- Integrated advanced input validation, error handling, and security measures for efficient and secure execution of SQL queries across multiple database systems.
- Optimized backend workflows for enhanced performance and reliability.

IMR InfoTech, KCE IMR College, Jalgaon — **Dec 2024 – Present**
Software Developer

- Designed and developed a hybrid desktop application for Onscreen Exam Evaluation, combining Python (Tkinter, CustomTkinter) and a secure .NET backend.
- Ensured secure inter-process communication between Python and .NET using pythonnet, and integrated AES encryption/decryption for sensitive data protection.
- Implemented backend obfuscation and robust encryption protocols to ensure system security, integrity, and prevent unauthorized access or reverse engineering.

PROJECTS

Real Life Body-Controlled VR Game Streaming
(https://github.com/KOSHTI/Real_Life_Body-Controlled_VR_Game_Streaming)

- Developed real-time body-motion control system using MediaPipe and OpenCV, translating user poses into precise in-game commands.
- Leveraged PyAutoGUI for keystroke automation, enabling seamless interaction with VR environments at a consistent 20 FPS.

Early Prediction of Parkinson's Disease using Deep Learning
(https://github.com/KOSHTI/Innovative-Deep-Learning-Approach-for-Parkinson-s-Disease-Prediction)

- Built a CNN-based deep learning pipeline with TensorFlow using ResNet50 and VGG16 to detect Parkinson's disease from MRI scans with 97.8% accuracy.
- Designed an ensemble learning model to boost diagnostic reliability, offering clinical support for early Parkinson's identification.

CERTIFICATIONS & AWARDS

- Research Paper of Parkinson's Disease using Deep Learning Certificate - Springer, Government Of India LINK
- Machine Learning - Dimensionality Reduction certificate - IBM Developer Skills Network LINK
- Copyright On Parkinson's Disease Project Poster and Certificate - Copyright Office, Government Of India