(+91) 8407982839

SHUBHAM KOSHTI

Email: koshtishubham04@gmail.com LinkedIn: https://www.linkedin.com/in/shubham-koshti-90abb2212/ Github: https://github.com/koshti

EDUCATION

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

Maharana Pratap High School, Jalgaon (SSC) — **2017 – 2018**
Secondary School Certificate — Percent: 84.80

SKILLS SUMMARY

- **Languages:** Python, SQL
- **Database / OS:** SQL Server, PostgreSQL, MongoDB, Windows
- **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

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

Raw SQL Query Performer Platform

Technologies: Python • Django • Flask • SQLAlchemy • PostgreSQL • Gunicorn • Django Ninja

- Developed a raw SQL execution platform using Django Ninja with secure RESTful APIs, supporting PostgreSQL and SQLAlchemy for dynamic backend interaction.
- Integrated advanced input validation and error handling to ensure secure, efficient execution of SQL queries across multiple database systems.

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

Onscreen Exam Evaluation System

Technologies: Python • Tkinter • CustomTkinter • PyMuPDF • MongoDB • AES Encryption • PyQt5 • .NET API • Flask

- Designed a hybrid desktop application with a Python-based UI (CustomTkinter) and a secure .NET backend, designed for easy updates, fast development, and safe handling of exam paper evaluation tasks.
- Enabled secure inter-process communication between Python and .NET using ***pythonnet*** and local APIs, with encryption protocols and backend obfuscation for strong, reliable system.
- Developed a robust .NET WinForm application for exam paper evaluation, incorporating AES encryption and decryption for secure handling of sensitive data, ensuring system integrity and security.

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