Sherikar Om Revanappa

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About Me

I am a first-year Information Technology student at RGIPT with a strong foundation in Python programming and machine learning. Demonstrated ability to build end-to-end solutions through multiple successful projects, achieving 90%+ accuracy in computer vision applications. Passionate about quantum machine learning and developing innovative AI solutions. Active member of E-Cell, contributing to entrepreneurship initiatives.

Education

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Rajiv Gandhi Institute of Petroleum Technology(An Institution Of National Importance) 2024 – Present
Bachelor of Technology in Information Technology *SGPA: 8.08/10.0*

Technical Skills

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Python Programming

Machine Learning

Computer Vision

C Programming

Git & Version Control

Database Management

Technical Interests & Research Focus

Quantum Machine Learning: Exploring the intersection of quantum computing and ML algorithms, focusing on quantum neural networks and quantum optimization problems.
Advanced Computer Vision: Researching deep learning applications in computer vision, particularly in real-time object detection and recognition systems.
AI Engineering: Developing scalable and efficient AI solutions with emphasis on model optimization and deployment strategies.

Projects

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Intelligent Beam Analyzer | ***Python, Machine Learning*** 2024
- Developed an AI-powered system achieving 95% accuracy in structural integrity predictions
- Implemented optimization algorithms resulting in 30% reduction in material costs
- Created a user-friendly GUI interface, increasing engineering workflow efficiency by 40%
- Technologies: Python, NumPy, Machine Learning, Engineering Mechanics

Smart Attendance System | ***Python, Database Management*** 2024
- Built a comprehensive system handling 1000+ student records with 99.9% uptime
- Implemented offline synchronization reducing data loss by 100%
- Optimized database queries, improving response time by 60%
- Technologies: Python, SQLite, GUI Framework, Data Synchronization

Advanced Face Recognition System | ***Computer Vision*** 2024
- Developed a real-time face recognition system with 95% accuracy in varying lighting conditions
- Implemented efficient algorithms reducing processing time by 40%
- Integrated advanced feature extraction methods improving recognition accuracy by 25%
- Technologies: Python, OpenCV, Deep Learning, Image Processing

Leadership & Activities

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E-Cell, RGIPT 2024 – Present
Sponsorship Executive *Jais, Uttar Pradesh*
- Successfully secured 50,000+ in sponsorships for entrepreneurship events
- Developed comprehensive sponsorship strategies, achieving a 40% increase in partner engagement
- Collaborated with cross-functional teams to organize 3 major events with 500+ participants