

Riyanshi Bariya

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GitHub

LinkedIn

TECHNICAL SKILLS & INTERESTS

Languages: Python, SQL, HTML, CSS, Java, JavaScript

Libraries: Flask, Django, NumPy, Pandas, Keras, TensorFlow, Scikit-learn, OpenCV, BeautifulSoup, Blockchain, PyTorch

Software: Microsoft Azure, OpenAI, GenAI, Jira, Git/GitHub, SQL, MongoDB, Flutter, COLAB, Tableau, Cyber Security

EDUCATION

Narsee Monjee Institute of Management Studies (NMIMS) 2025
St. Raphael's Higher Secondary School, Indore 2021

B-Tech Computer Engineering CGPA: 3.40/4
Class 10th : 82.8% | Class 12th : 80.6%

WORK EXPERIENCE

Freelance Software Developer

May'2025 – Present

Job Portal with ATS

- Engineered a job portal with ATS using React.js, Node.js, MongoDB, and Tailwind CSS, improving applicant screening time by 40% with resume parsing, AI chatbot, and candidate scoring features.

QRProfile – Smart Digital Portfolio for Professionals

- Launched QRProfile digital identity platform using Next.js and MongoDB, enabling QR code-based professional profiles and gaining 500+ users in the first month with custom branding for 10+ business clients.

Trainee Support Intern - Tech Mahindra, Pune

January'2025 – April'2025

- Developed 5+ AI/ML automation solutions leveraging Python, OpenCV, and TensorFlow, including real-time image processing (blurring, object detection), motion sensing, and reduced manual monitoring by 60%.
- Designed end-to-end ML pipelines including data cleaning, EDA, model training, and deployment, improving system responsiveness by 40%.

AI / ML Intern -Techdome Solutions Pvt. Ltd. , Indore

May'2024 - July'2024

- Implemented AI features into web platforms using JavaScript, Azure OpenAI, and MongoDB while streamlining ERP/SAP integration, improving user experience by 40% and workflow efficiency by 30%.

PROJECTS

OPTIVISION AI PLATFORM

Python, Flask, OpenCV, PyTorch, MongoDB, Computer Vision, OCR

Comprehensive web-based computer vision platform with motion detection, object recognition, text extraction, and real-time video processing capabilities with JWT authentication.

OPENCV-BASED REAL-TIME EMPLOYEE TRACKING SYSTEM

Python, OpenCV, YOLO, Flask, Computer Vision

Computer Vision-driven workplace monitoring system that automatically tracks employee presence using YOLO object detection with real-time video processing and web dashboard.

VIOLENCE DETECTION SYSTEM

Python, TensorFlow, Gradio, Deep Learning, MobileNetV2

AI-assisted violence detection system achieving 90.4% accuracy for real-time threat assessment in images with professional web interface and interactive visualizations.

AI-POWERED ENTERPRISE CHATBOT SOLUTION

Flask, Python, MongoDB, NLP, REST API

Intelligent chatbot handling 70% of common queries with session management, message bookmarking, and secure sharing features, reducing support load by 40%.

IOT E-BIKE FLEET MONITORING

C++, POCO Framework, UDP, GeoJSON, Real-time GPS

Real-time IoT system for e-bike fleet management with GPS tracking, web visualization, and maintenance management using UDP sockets and Interactive mapping.

SEHATSATHI - SMART MEDICATION DISPENSER

IoT, ESP8266, Flutter, Firebase, Healthcare

IoT- integrated medication adherence system reducing missed doses by 50% through sensor-based monitoring, adaptive reminders, and real-time family portal integration.

CERTIFICATIONS

[Google Cloud Computing Foundations: Data, ML, and AI](#)

[Google Cloud: Google Cloud Computing Foundations](#)

[Infosys Springboard: Artificial Intelligence Foundation](#)

[Universal Informatics, Indore: Python Training Program](#)

ACHIEVEMENTS

- Secured 1st position - Research Poster Competition at Vigyan Parv, showcasing innovative research methodologies to a panel of industry experts from the Government of India & Madhya Pradesh Council of Science & Technology.
- Achieved Top 4 placement for Technology presentation at E'Conclave, IIT Jodhpur, showcasing innovative skills.
- Selected for the American Express India Campus Discovery Program from a competitive pool of over 5,000 students, demonstrating outstanding potential and capabilities.
- Presented "SehatSathi" Technology at an International Conference in collaboration with DST, Government of India, Confederation of Indian Industry (CII), CICU, and Panjab University, also featured in [Times of India](#) and Dainik Bhaskar.