

Riyanshi Bariya

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GitHub

LinkedIn

TECHNICAL SKILLS & INTERESTS

Full Stack Development & Languages: React.js, Node.js, Next.js, Tailwind CSS, Python, Java, JavaScript, HTML, CSS, Flask, Django

Databases & Tools: SAP Data Services Development (ETL concepts), ERP Integration, SQL, MongoDB, Git/GitHub, Jira, Tableau

Cloud & Others: Microsoft Azure, Google Cloud, OpenAI/GenAI, TensorFlow, Keras, PyTorch, Scikit-learn, OpenCV

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 Full Stack Engineer

May'2025 – Present

Job Portal with ATS

- Engineered a job portal with ATS using JavaScript, 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

- Integrated AI features into ERP/SAP systems using JavaScript, Azure OpenAI, and MongoDB, improving workflow efficiency by 30% and enhancing user experience by 40%.
- Applied SAP Data Services Development principles to SAP-related data integration tasks, including data extraction, transformation, and loading (ETL), streamlining enterprise data flow and adhering to robust software development principles.

PROJECTS

OPTIVISION AI PLATFORM

Python, Flask, OpenCV, PyTorch, MongoDB, Computer Vision, HTML, CSS, JavaScript

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 HTML, CSS, JavaScript

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

[Set Up an App Dev Environment on Google Cloud](#)

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

[Google Cloud Computing Foundations & Infrastructure](#)

[Prepare Data for ML APIs on Google Cloud](#)

[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.