

# Riyanshi Bariya

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GitHub

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## 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

Job Portal with ATS

May'2025 – Present

- 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](#)

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

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

[Infosys Springboard: Artificial Intelligence Foundation](#)

[Google Cloud Computing Foundations & Infrastructure](#)

[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.