

Riyanshi Bariya

+91-9302019119 bariyariyanshi@gmail.com GitHub LinkedIn

Aspiring AI/ML developer with hands-on experience in building machine learning models, data pipelines, and real-time automation systems. Skilled in data cleaning, EDA, object detection, LLMs, and model optimization. Familiar with cloud platforms (AWS, GCP, Azure) and version control systems like Git.

TECHNICAL SKILLS & INTERESTS

Languages: Python, SQL, Java, JavaScript, TypeScript, HTML, CSS, Node.js, React.js

Libraries: Flask, Django, NumPy, Pandas, Keras, TensorFlow, Scikit-learn, OpenCV, PyTorch, REST APIs,

Software/ Skills: AWS, MongoDB, PostgreSQL, Microsoft Azure, Git, GitHub, Jira, Agile, Postman, SDLC , Machine Learning, Deep Learning, Data Cleaning, Exploratory Data Analysis (EDA), Model Training, Optimization

EDUCATION

Narsee Monjee Institute of Management Studies (NMIMS) 2025

B-Tech Computer Engineering CGPA: 3.40/4

St. Raphael's Higher Secondary School, Indore 2021

Class 10th : 82.8% | Class 12th : 80.6%

EXPERIENCE

Freelance Software Developer | SaaS Product Intern

May'2025 – Present

- Developed an AI-powered recruitment platform supporting full hiring lifecycle using React.js, Node.js, TypeScript, MongoDB, and Tailwind CSS.
- Integrated LLM-based chatbot, AI resume parser, and candidate scoring engine to enhance data-driven decision-making.
- Built and deployed drag-and-drop ATS pipelines, calendar integration via Google API, and automated workflows on AWS with CI/CD.
- Designed modular APIs for production use, incorporating version control (Git) and optimizing for performance and scalability.

Trainee Support Intern - Tech Mahindra, Pune

January'2025 – April'2025

- Developed multiple AI/ML-based automation solutions including image processing (blurring, object detection), motion sensing, and fault detection systems using Python, OpenCV, and TensorFlow—optimizing operational workflows.
- Built end-to-end machine learning pipelines: from data cleaning and EDA to model training, testing, and deployment, focusing on real-time systems like motion detection and leak identification in hardware-linked devices.
- Worked on employee behaviour modeling and productivity tracking using time-series data and trained supervised learning models to predict anomalies and generate reports.
- Integrated LLM-based response models using OpenAI APIs to automate customer support, internal FAQs, and reduce manual effort in ticket resolution.
- Conducted root cause analysis across system workflows and collaborated in deploying these AI solutions to simulate production scenarios.

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

May'2024- July'2024

- Built and tested AI models for ERP/SAP integration using Azure OpenAI, MongoDB, and JavaScript.
- Assisted with REST API testing using Postman and improved system workflow by 30%.
- Participated in EDA, data cleaning, and modular development training for intelligent business applications.

PROJECTS

AI-Powered Enterprise Chatbot with LLMs

- Designed and deployed a chatbot using LLMs, Flask, and MongoDB for dynamic enterprise support.
- Implemented session tracking, secure session sharing, and real-time insights—enhancing user engagement by 40%.
- Performed EDA and modular pipeline integration for seamless deployment.

Real-Time Violence & Weapon Detection System

- Developed a real-time surveillance system using YOLOv5 and CNN-LSTM models on Kaggle datasets.
- Conducted data augmentation, fine-tuned models with ResNet50, and optimized for speed and accuracy.
- Deployed pipelines to monitor live feeds, achieving a 70% increase in detection accuracy.

SehatSathi – Smart Medication Dispenser (IoT + AI)

- Built an AI-enabled healthcare IoT device using ESP8266, Flutter, and Firebase.
- Used sensors and adaptive ML reminders to reduce missed doses by 30% and alert caregivers in real-time.
- Presented internationally; featured in Times of India and Dainik Bhaskar.

QRProfile – Smart Digital Identity Portfolio

- Designed a digital identity system with React.js, Next.js, Express.js, and MongoDB (MERN stack).
- Enabled dynamic profile generation via QR codes and deployed user-friendly dashboards with analytics.
- Integrated cloud functions, authentication, and branding for scalable business applications.

CERTIFICATIONS

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| Google Cloud Computing Foundations: Data, ML, and AI | Google Cloud: Prepare Data for ML APIs on Google Cloud |
| Google Cloud: Google Cloud Computing Foundations | Infosys Springboard: Artificial Intelligence Foundation |
| Google Cloud: Generative AI | Universal Informatics, Indore: Python Training Program |

ACHIEVEMENTS

- International Tech Presenter- Presented SehatSathi (IoT-based solution) at an international conference with DST & CII; received national media coverage (Time of India, Dainik Bhaskar).
- Top 4 Finalist at E'Conclave, IIT Jodhpur for demonstrating problem-solving and product development skills in a national-level tech showcase.
- Winner - Vigyan Parv for presenting an innovative research prototype to experts from Govt. of India & MPCST, focused on Modern Technology, smart system design and technical documentation.
- Selected from 5,000+ applicants for American Express Campus Discovery Program, recognizing engineering potential and agile thinking.