Harsh Bathija

+91-8209625353 | harsh004bathija@gmail.com | LinkedIn | GitHub | Portfolio | Jaipur, India

CAREER SUMMARY

Computer Science graduate (B.Tech, AI & ML, 2026 batch) who builds full-stack web applications and applied AI/ML features. Experienced with React.js, Node.js, Django, FastAPI, Python and SQL across the full SDLC, from REST API design and database optimization to Docker deployment. Resolved 20+ production defects in Agile teams and led a computer vision project to Smart India Hackathon 2024 Runner-Up (250 teams).

EXPERIENCE

AI & Data Analyst Trainee, Mangal Electricals Limited **Aug 2026 - Present**

- Prototype AI-driven solutions with the engineering team using Python, and integrate LLM-based features into internal tools.
- Preprocess and analyze datasets and benchmark model performance against production requirements.

Software Developer Intern, iVeda Solutions **Jan 2026 - Jun 2026**

- Developed, unit-tested and integrated responsive web application modules using React.js, Node.js, JavaScript (ES6+) and MySQL across the full SDLC, following enterprise engineering standards.
- Debugged and resolved 20+ production defects and REST API integration issues in Agile sprints, using root-cause analysis and database query optimization to reduce response times.
- Collaborated with cross-functional technical teams to design scalable API payload schemas and write technical documentation; awarded Top Performer of the Month.

Business Development Executive, InternsVeda **Oct 2025 - Jan 2026**

- Automated CRM data tracking workflows and coordinated across departments; recognized as Top Performer of the Month.

Head of IT-DA, IAESTE LC JECRC **Sept 2024 - Sept 2025**

- Designed, developed and deployed the organization's official website end to end, from responsive, SEO-optimized UI to backend integration and production deployment.
- Built event registration forms, dynamic event listings and contact workflows with REST API integrations, reducing manual coordination.

SKILLS

Languages & Databases: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3, PostgreSQL, MySQL, MongoDB, Supabase
Web & Backend: React.js, Next.js, Node.js, Express, FastAPI, Django REST Framework, RESTful APIs, REST/SOAP Web Services, JWT/OAuth
AI / ML: Deep Learning, Computer Vision (OpenCV), LLM-based feature integration, Data Preprocessing, Model Evaluation
Tools & Practices: Git, GitHub, Docker, Postman, Vercel, Hostinger, Agile/Scrum, SDLC, Debugging, Unit Testing, Technical Documentation

PROJECTS

ARISE OS (GitHub | Live Demo) - Next.js, Express.js, Supabase (PostgreSQL), REST APIs, TypeScript

- Architected a multi-tier web application with an Express.js REST API backend serving Next.js dashboards, with secure JWT authentication and optimized relational database schemas.
- Designed modular data flow pipelines and API endpoints for low-latency, seamless client-server integration.

Breathe ESG Platform (GitHub) - Django 5, DRF, PostgreSQL, React 19, Docker

- Built a multi-tenant enterprise ESG platform with a 9-app modular Django REST Framework backend, custom Role-Based Access Control (RBAC) and immutable audit trails.
- Engineered multi-stage analyst approval workflows and automated data ingestion pipelines; containerized the full stack with Docker.

Indian Sign Language Translator (GitHub) - Python, Deep Learning, OpenCV

- Led a team to build a real-time gesture recognition system with a custom data preprocessing pipeline and trained deep learning models; 1st Runner-Up at Smart India Hackathon 2024 (250 teams).

EDUCATION

B.Tech in Computer Science and Engineering (AI & ML, in collaboration with IBM) **Sept 2022 - Jun 2026**
JECRC University, Jaipur | Overall GPA: 8.21/10

ACHIEVEMENTS

- Smart India Hackathon 2024 - 2nd Place (of 250 teams): led ideation, team coordination, implementation and live demo.
- Smart India Hackathon 2023 - Top 10 (of 150 teams): captained a multidisciplinary team.

PRESENTATION

13th International Conference of Library and Information Professionals (I-LIPS 2025) - A Study on DCGAN-Based Generative Models: Implementing Anime Character Face Generation