KRISHNA MAKWANA

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EDUCATION

Acropolis Institute of Technology and Research (3rd year) Present - City:Indore
B.Tech in Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning

Shree Gujarati Samaj School City:Indore
Higher Secondary Education 11th to 12th 2020 – 2022

Columbia Convent School City:Indore
Secondary Education 9th to 10th 2018 – 2020

WORK EXPERIENCE

Universal Informatics 2024 – Present
AI & Data Science City:Indore

- Currently learning and working on practical concepts of **Machine Learning**, **Deep Learning**, Generative AI, and **Agentic AI**.
- Built strong coding and data basics using **C**, **C++**, **Python**, **Data Analytics** and **Data Science**.

Outskill Jan 2026
Gen AI & Prompt Engineering Workshop Remote

- Completed hands-on training focused on **Generative AI** and **Prompt Engineering**.
- Practiced prompt techniques and learned how to build modern AI-driven solutions.

Udemy
Coursework - Web Development

- Learned front-end basics to create clean and responsive pages using **HTML**, **CSS** and **JavaScript**.

PROJECTS

VS Pharma Academy | Next.js, TypeScript, Tailwind CSS, Supabase, Clerk, Razorpay Visit

- Developed a full-stack website for a coaching institute to showcase YouTube videos and sell study notes online.
- Integrated Razorpay for online payments and handled direct PDF uploads to Supabase to support large file sizes smoothly.
- Added anti-piracy protection for study notes with dynamic watermarks and restricted direct PDF downloads.
- Built an admin panel to easily manage, edit, and update notes, pricing, and YouTube links with a mobile-friendly UI.

VedaCure | FastAPI, Python, PyTorch, JavaScript, HTML5, CSS3, Three.js Visit

- Developed an end-to-end botanical diagnostics web app that enables users to upload leaf photos or scan them live to detect crop diseases and access chemical-free remedies.
- Integrated a PyTorch deep learning pipeline with a FastAPI backend to handle real-time image preprocessing, inference, and classification.
- Created an interactive UI with 3D botanical visualizations in Three.js and live optical scanning via WebRTC, delivering structured remedy cards and care instructions.

AeroPulse AI | FastAPI, Python, Scikit-Learn, React.js, JavaScript, Tailwind CSS Visit

- Built an end-to-end air quality monitoring and prediction platform that tracks live pollutant levels (PM2.5, PM10, NO2, CO, SO2, O3) and forecasts AQI across global cities.
- Developed a dual-calculation backend in FastAPI combining a Scikit-Learn Random Forest model with official CPCB and US-EPA breakpoint standards for accurate AQI indexing.
- Built a responsive frontend in React and Tailwind CSS featuring what-if pollutant simulation sliders, historical trend visualization, and dynamic health precaution cards.

Esports & Gaming Revenue Analysis | Excel, Data Analytics Visit

- Built an interactive dashboard to track global esports tournaments, audience growth, and multi-billion dollar gaming revenue trends across key platforms (Console, Mobile, PC).
- Analyzed historical data to break down average spending across gaming genres (FPS, MOBA, Sports) and regional player activity across multiple continents.
- Created clean visual reports and KPI cards highlighting growth trends in female gamer participation and tournament counts to understand market expansion.

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, HTML, CSS
Frameworks & Libraries: NumPy, Pandas, Matplotlib, Seaborn
Databases: SQL, Supabase
Tools & Platforms: Microsoft Excel, Power BI, Git, GitHub, VS Code, Render, Vercel