

Hritwiza Gupta

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Location: Panna, Madhya Pradesh, India

Professional Summary

Software Engineer skilled in **Python, Java, SQL, JavaScript, React.js, and Cloud Computing**. Passionate about **system architecture, automation, and software-hardware integration**. Strong problem-solving and analytical abilities with experience in **backend development, networking, and DevOps**.

Technical Skills

- **Programming & Scripting:** Python, Java, SQL, JavaScript, Shell Scripting, MATLAB
- **System Design & Architecture:** Software & Hardware Integration, Embedded Systems, API Development
- **Networking & OS:** Linux, Windows, TCP/IP, Network Protocols
- **Automation & Simulation:** Power Automate, LabVIEW, Task Scheduler, AI-based Automation
- **Web Development:** React.js, Node.js, Express.js, REST APIs
- **Database Management:** SQL, MongoDB, MySQL, Firebase
- **Development Tools & DevOps:** Git, Docker, Kubernetes, CI/CD (GitLab, Bitbucket), AWS, Azure
- **Soft Skills:** Leadership, Problem-Solving, Time Management, Communication, Documentation

Education

- **B.Tech in Computer Science & Engineering – Mody University** (May 2025)
- **Diploma in Computer Science – Govt. Polytechnic College, Panna** (May 2022)
- **Higher Secondary - NIOS** (Oct 2021)
- **Secondary Education – NIOS** (Mar 2019)

Work Experience

Intern | FLIMPA Milan Pvt Ltd (Remote) (Dec 2024 – Jan 2025)

- Developed a **React.js-based frontend** and a **Java-powered backend** for an **AI-driven Matrimony platform**.
- Integrated **email automation** and built a **Power BI dashboard** for performance analytics.

Trainee | Regex Software Services, Rajasthan (Jun 2024 – Sep 2024)

- Developed **CNN-based Face Expression Recognition** and **AI-powered speech-to-text models**.
- Implemented **real-world applications of Machine Learning and Computer Vision**.

Intern | Hindalco Industries Limited, Silvassa (Aug 2023)

- **Automated plant data workflows**, improving reporting speed and cutting manual efforts by **10+ hours/week**.
- Conducted **data analysis and visualization** using **SQL, Python, and Power BI** to identify operational inefficiencies.

Projects

- **Management Information System (Aug 2023)** – Developed an MIS system for seamless data tracking.
- **Millet Classification using CNN (Aug 2023 – Dec 2023)** – AI-based crop classification model with data visualization.
- **Face Expression Recognition (Apr 2024 – May 2024)** – Emotion detection AI with actionable insights.
- **Automatic Speech Recognition (Aug 2024 – Dec 2024)** – Real-time **AI-powered speech-to-text** processing system.
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Certifications

- **Programming in Java – Great Learning** (Feb 2024)
- **Walmart USA Software Engineering – Forage** (Sept 2024)
- **JP Morgan Chase Cybersecurity – Forage** (Nov 2024)
- **Google Analytics Certification** (Aug 2024)
- **IBM Artificial Intelligence Analyst** (Nov 2024)