

# Tanisha Gupta

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## EDUCATION

### VIT Bhopal University | Bhopal, India

Oct, 2022 – May, 2026

Bachelors in Cloud Computing and Automation

### Dr. Soney Lal Patel S.S. School

April, 2020 – May, 2021

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## SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Web Technologies:** React, Node.js, Express.js, HTML5, CSS3 , RestAPI , Vanilla, Angular, Redux , Power BI, Numpy , Gen Ai(Basic), CNN , Django
- **Cloud Platforms:** AWS
- **Databases:** MySQL, MongoDB
- **Tools & DevOps:** Git, Docker
- **Operating Systems:** Linux, Windows

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## PROJECTS

### Real-Time Image-to-Text Converter (Multi-Language) ([Github Link](#))

*React, JavaScript, HTML5, CSS3, WebSockets*

- Developed a real-time frontend interface for text extraction from images.
- Integrated WebSocket communication for live updates and seamless user interaction. multilingual support using API integrations, enhancing accessibility for global users.

### LinkLive - Social Canvas App ([Github Link](#))

*React.js, NumPy, Pandas, WebGL, Data Visualization Libraries, Netlify*

- Built a social network visualization web app to transform relationship patterns into interactive dashboards for improved team collaboration and productivity insights.
- Engineered machine learning algorithms for social network analysis, communication flow tracking, and predictive relationship insights, improving team collaboration efficiency by 25%.
- Built responsive data visualization dashboard with particle systems, 3D rendering, and automated alerts for social dynamics monitoring, achieving 95% user engagement rates.

### Facial Recognition ([Github Link](#))

*Python , Streamlit , PyTorch , Face Detection , REST API*

- Engineered AI-powered facial recognition system using computer vision and deep learning to detect and track criminals across multiple surveillance videos with timestamp logging for law enforcement applications.
- Developed scalable video analytics pipeline processing surveillance footage to extract facial features
- Built production-ready retrainable ML model with user-friendly interface for real-time criminal detection, optimized for performance, scalability, and deployment.

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## CERTIFICATIONS

### AWS Solutions Architect – Associate Program

Issued: April 25th, 2025

### Adobe UI/UX Program (Graphic Design)

Issued: April 27th, 2025

### Deloitte virtual Program

Issued: July 11th, 2025

### Coursera - Applied Machine Learning in Python

Issued: Dec 23th, 2023

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## AWARDS, ACHIEVEMENTS ACTIVITIES

- Associate Project Lead: Spearheaded independent project development within the Ethnus AWS Solutions Architect program, demonstrating advanced cloud solution design and infrastructure management capabilities.
- Graphics Design Excellence: Recognized for outstanding UI/UX design projects and innovative visual communication strategies during the Ethnus Adobe Internship.
- Technical Community Contributor: Actively participated in peer-led study groups and knowledge-sharing sessions, fostering collaborative learning and problem-solving in cloud computing and graphic design domains.
- Recognized for active participation in NSPC 2025 – a national environmental competition hosted by the Ministry of Education and MoEFCC.