

# Tamanna Kalariya

Information Technology

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## EDUCATION

- **Charotar University of Science and Technology (CHARUSAT)** Aug 2022 – May 2026  
*B.Tech in Information Technology, CGPA: 7.22/10 (Current)* Changa, Gujarat
  - Endowment Chair for Responsible AI initiatives
  - Core member of University's Programming Club, organizing weekly coding challenges
  - Led 4-member team in developing university event management system
  - Participated in Cybersecurity and AWS workshops
  - Active in cultural activities: group singing and Garba competitions
- **D.Z. Patel English Medium School** 2022  
*HSC (12<sup>th</sup> Grade), 55.79%* Anand, Gujarat
  - Science stream with advanced Computer Science curriculum
  - Developed basic inventory management system as final year project
- **Saraswati Shisukunj** 2020  
*SSC (10<sup>th</sup> Grade), 73.13%* Borsad, Gujarat

## TECHNICAL SKILLS

- **Programming Languages:** C++, Python, SQL
- **Data Science & ML:** TensorFlow, PyTorch, Keras, Scikit-learn, Matplotlib, Pandas, NumPy, Seaborn
- **AI/ML Specializations:** SpaCy, NLTK, Transformers, OpenCV, Computer Vision, NLP, Speech Recognition
- **Web Development:** React.js, JavaScript, HTML, CSS, Material-UI, Tailwind CSS
- **Mobile Development:** Flutter, TensorFlow Lite
- **Backend & APIs:** Flask, RESTful APIs, Node.js
- **Databases:** MySQL, MongoDB, Firebase
- **Tools & Platforms:** Git, GitHub, VS Code, Docker (basics), Firebase

## PROFESSIONAL EXPERIENCE

- **AI/ML Intern** June 2025 – July 2025  
*CodeClause* Remote
  - Completed 4 comprehensive AI projects: speech recognition system, real-time emotion detection, legal document NLP processor, and personality prediction model
  - Applied advanced deep learning techniques in Computer Vision and NLP using TensorFlow and PyTorch
  - Achieved 95% accuracy in emotion detection model through ensemble learning techniques
- **React.js Developer Intern** May 2024 – June 2024  
*Tech Elecon* Anand, Gujarat
  - Developed responsive web applications using React.js, Material-UI, and Tailwind CSS
  - Implemented complex state management using Redux and Context API
  - Created reusable component library reducing development time by 40%
  - Integrated RESTful APIs with error handling, achieving 90+ PageSpeed performance score
  - Implemented data caching mechanisms reducing server requests by 50%

## FEATURED PROJECTS

- **Cancer Classification Mobile App** Jan 2025 – Present  
*Flutter / Deep Learning / Medical Imaging / TensorFlow Lite*
  - Developing cross-platform mobile app using Flutter with ensemble of deep learning models (MobileNet, VGG19, ResNet)
  - Implemented majority voting system achieving 95% classification accuracy on 100,000+ medical images
  - Designed intuitive UI for healthcare professionals with offline functionality for remote usage
  - Optimized models using quantization for mobile deployment, reducing diagnosis time by 40%
  - Integrated Firebase for secure patient data storage and authentication

- **AI-Based Legal Documentation Assistant**

Oct 2023 – Feb 2024

*React.js / Flask / MySQL / NLP / TypeScript*

- Developed intelligent chatbot system for automated legal document generation and classification
- Implemented natural language processing using spaCy and NLTK for legal text analysis
- Built robust backend API using Python Flask with MySQL database and SQLAlchemy ORM
- Created multi-user collaboration system with document version control and comparison features
- Achieved 90% user satisfaction rate and 60% reduction in document processing time
- Successfully implemented by 3 local law firms, processing 1000+ documents monthly

## CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

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- **NPTEL Courses:**

- Data Structures & Algorithms using C++ (Dec 2023)
- Introduction to Programming in C (May 2022)
- Operating System Fundamentals (Feb 2023)
- Database Management Systems

## LEADERSHIP & EXTRACURRICULAR ACTIVITIES

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- **Technical Leadership:**

- Mentored junior students in web development technologies and programming fundamentals
- Organized technical workshops on AI/ML and web development at university level

- **Sports & Physical Activities:**

- Karate: Purple Belt with 5 years of dedicated training
- Swimming: Regional level competitor with 3 medals in district competitions
- College basketball team member and athletics participant in track events

- **Cultural Activities:**

- Active participant in university cultural fests, group singing, and traditional Garba competitions

## ADDITIONAL SKILLS & LANGUAGES

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- **Languages:** English (Professional), Hindi (Native), Gujarati (Native)
- **Soft Skills:** Team Leadership, Technical Communication, Problem-solving, Project Management, Time Management
- **Areas of Interest:** Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Mobile App Development