

# AKSHAT SHAH

✉ akshatshah042@gmail.com | ☎ 682-336-6378 | 📍 Arlington, Texas | [in /in/akshat-shah964a24214](https://www.linkedin.com/in/akshat-shah964a24214)

## Education:

- Master of Science in Computer Science  
The University of Texas at Arlington, Arlington, Texas  
Expected Graduation: May 2025

- Bachelor of Technology in Computer Science & Engineering  
Indus University, Ahmedabad, Gujarat  
Graduated: June 2023

## Technical Skills:

- Programming Languages: Python, Java, JavaScript, C, C++.
- Web Technologies: HTML, CSS, ReactJS, PHP, .Net, Bootstrap
- Software Development Framework: Frappe/ERPNext, Laravel, Django.
- Database: MySQL, Oracle.
- Data Analysis & Machine Learning Tools: Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn(sklearn)
- Soft Skills: Exceptional communication & interpersonal skills.

## Projects:

1. E-commerce website for Sairam Textiles for clothing materials.
  - Designed and created an intuitive e-commerce platform for Sairam Textile, for seamless online sales of their textile products. Leveraged advanced web technology like Django to create a user-friendly interface, enabling customers to browse, select, and purchase items with ease. Incorporated secure payment gateways to ensure transaction safety and implemented responsive design principles for optimal performance across devices.
2. Website for Property Rental and Buying.
  - Developed a property rental website using the Django framework, enabling brokers and property owners to upload their properties for rental listings. Users can browse and view property listings. Implemented a machine learning module to dynamically adjust the position of properties on the listing page based on user reviews and ratings, enhancing user experience and engagement.
3. Leaf Diseases Detector.
  - Used Computer Vision Approach which includes YOLO v3 to train the model. It can Detect Diseases in various leaves like Corn, Apple, Grapes, and Potato.

## Professional Experience:

1. Code Caste Pvt. Ltd. January 2023 – June 2023  
**Web Developer.**
  - Received comprehensive training in PHP and Laravel Framework.
  - Exhibited adept problem-solving abilities and meticulous attention to detail while operating within stringent time constraints. Collaborated closely with interdisciplinary teams to conceptualize, create, and implement cutting-edge solutions for various live projects.
  - Played a key role in enhancing the user interface functionalities and administrative model of the “Manchester Healthy School” website (<https://www.manchesterhealthyschools.nhs.uk/>).
2. Brainly Beam Pvt. Ltd. May 2021 – July 2021  
**Data Science Intern.**
  - Proficient in Machine Learning and Natural Language Processing, leveraging advanced techniques to develop a cutting-edge recommendation system.
  - Designed and implemented a highly effective recommendation system, seamlessly blending content and collaborative filtering methodologies for optimal performance.
  - Incorporated sentiment analysis into the recommendation system architecture, enhancing user experience by providing personalized suggestions tailored to emotional context.
  - Demonstrated expertise through the successful completion of a sophisticated recommendation system project, showcasing skills in data engineering, algorithm development, and model evaluation.

## **Accomplishments:**

1. **Winner - Smart India Hackathon 2022 For Automating Machine-Learning and Deep Learning Problem Statement At (National Level).**
  - Developed a winning solution at a national-level hackathon, creating a secure gateway between Government APIs and end-users for seamless identity verification and account creation processes.
  - Implemented a user-friendly web interface enabling users to upload document images for identity verification, utilizing a scoring mechanism to ensure image quality before proceeding to Optical Character Recognition (OCR) for extraction of essential data such as address and ID number.
  - Engineered an automated system that integrates with Government APIs to confirm identity matches, streamlining account approval processes and eliminating the need for repetitive identity verification calls by storing verified data securely in a database.
  - Demonstrated innovation and efficiency by reducing bureaucratic hurdles for users and organizations, showcasing proficiency in API integration, image processing, OCR, and database management.
2. **Technical Head - Students Activity Cell, Indus University, India (Tenure: 2021 - 2022).**
  - Orchestrated and facilitated over 25 interactive coding workshops, fostering a dynamic learning environment for university students to delve into topics such as algorithms, data structures, and software development methodologies.
  - Spearheaded 15+ coding competitions, cultivating a culture of healthy competition and skill development while honing participants' problem-solving abilities in areas including algorithmic challenges, coding proficiency, and teamwork.