

# YASH BHARAT THAKKAR

The University of Texas at Dallas – MS Business Analytics • +1 (346) 535 2285 • [yash.thakkar@utdallas.edu](mailto:yash.thakkar@utdallas.edu)

<https://www.linkedin.com/in/yashthakk/> <https://yashbthakkar.github.io/resume/>

## **Career Overview:**

Dynamic and award-winning professional with over 6 years of experience at Amazon, specializing in Data Analytics, Risk and Privacy, Workforce Management (WFM), and People Management. Certified PMP Project Manager by Google, adept at translating business specifications into technical requirements, streamlining processes, and delivering user-centric solutions. Passionate about promoting diversity and volunteering within teams. Currently pursuing a Master's in Business Analytics and Artificial Intelligence from the University of Texas at Dallas.

## **Education:**

**Master of Science in Business Analytics and Artificial Intelligence**  
**Institute: The University of Texas at Dallas – United States of America**

*August 2024 – August 2026*

**Bachelor's in Technology (B.Tech), Electronics and Communications Engineering, (7.93)**  
**Institute: Ganpat University - India**

*June, 2013- March, 2017*

## **Work Experience:**

**Team Manager, Amazon, Chennai**

*Dec, 2018 - Nov, 2023*

- Developed and optimized Alexa's Machine Learning model, specializing in "Automatic Speech Recognition" and "Natural Language Understanding" (ASR, NLU), enhancing data processing and analysis capabilities.
- Collaborated with the customer program manager to introduce an agile tagging tool, Auto-Hot Key, significantly improving data accuracy and operational efficiency by 13% at the workflow level in APAC and EMEA.
- Ideated and implemented SENSAT, a secure data management system ensuring the risk and privacy of customer-labelled data, resulting in a 230MM data improvement and ~\$30K yield, and received recognition from the Amazon Tech Director.
- Directed the program roadmap for enhancing the quality of the ground truth labelling platform for Alexa domain teams, managing a yearly transactional volume of 300MM in ASR, NLU, and GSR data, involving ~50 associates across 12 languages and 2 sites.
- Created centralized dashboards for sharing and viewing KPIs at various business levels, including VP, Manager, and Associate levels, such as Scorecards and Adherence Monitoring.

**Jr Research and Development Engineer, Masibus, Gandhinagar**

*June, 2017- July, 2018*

- Developed and implemented high-speed PCB designs, incorporating DDR3 memory and USB 3.0 interfaces, ensuring optimal data flow and system performance.
- Documented the entire design process, including component selection, schematic diagrams, and BOMs, to maintain comprehensive project records.
- Created user manuals and operational instructions for electrical equipment and systems to facilitate end-user understanding and usage.
- Utilized CAD tools such as Altium Designer and PADS Professional for schematic capture and layout of PCBAs, streamlining the design and manufacturing process.
- Generated Gerber files for PCB manufacturing, ensuring precise and efficient production of assemblies.
- Collaborated with prestigious organizations like the Indian Space Research Organization (ISRO), Siemens, and Toshiba, enhancing data engineering and electronic design expertise.

**Graduate Intern, Flextronics, Chennai**

*Jan, 2017- April, 2017*

- Provided administrative support for various departments, including data entry and filing.
- Created detailed project plans outlining objectives, tasks, resources, timelines.
- Monitored machine performance during production cycles to identify potential issues early on.

**Winter Intern, India Institute of Management, Ahmedabad**

*Dec, 2015- March, 2016*

- Conducted comprehensive research on sports marketing and merchandising, utilizing both online and offline sources, and synthesized findings into a detailed report during my internship.
- Worked on merchandising projects for sports teams, contributing to the development and implementation of effective marketing strategies.

## **Projects:**

### **Automatic Speech Generation (ASR) to Text Convertor - Alexa Machine Learning**

*Jul, 2019 — Oct, 2020*

- The project focused on enhancing speech-to-text conversion in Alexa's ecosystem through a state-of-the-art Automatic Speech Recognition (ASR) system. Utilizing TensorFlow and PyTorch for deep learning, Python for programming, and employing DNNs for the Acoustic Model, RNNs or Transformers for the Language Model, along with AWS for scalable infrastructure, the project aimed to optimize user interaction with Alexa-enabled devices. Auto-hot Key Scripting was integrated for specific functionalities.

### **SENSAI Software for Secure Compliance - For Alexa Data - APAC, EMEA and Americas**

*Jan, 2022 — Nov 2023*

- The SENSAI Laptop Deployment project focuses on provisioning and securing laptops for organizational use, emphasizing enhanced risk and compliance measures. The initiative includes laptop provisioning, security configuration, compliance policy development, encryption implementation, endpoint security, user authentication enhancements, secure remote access, and risk assessment. Tools like JIRA, Asana, Microsoft Word, SharePoint, Confluence, ACME for Endpoint Security, and AWS for IAM support project objectives.

## **Independent Coursework:**

Machine Learning for Voice, Deep Learning Specialization, Google Data Analytics, Text Summarization using Natural Language Processing, Prompt Engineering, Generative AI for Project Managers, SQL, Design and Analysis.

## **Skills and Expertise:**

- **Technical Skills:** Machine Learning, C, Python, SQL, Data Mining using Excel, Java, Microsoft Office, VBA, Quicksite Dashboard, Confluence, AWS, Web-Scrapping, Project Management.
- **Organizational Skills:** Public Speaking, Stakeholder Management, Hiring Manager/ On-Boarding, CSR Project Manager, Poster Designing, Team Management, Active Listening.

## **Extra-Curricular Activities**

- Professional Footballer, currently captaining Amazon Chennai FC, since last year we have won 9 corporate trophies. Represented Gujarat in under-12 back when I was in school.
- Professional Karata coach, black belt holder, won Silver in National level tournament.
- Program Managed AITC (Amazon in the Community), India, planning CSR events throughout the year, and received appreciation from Jeff Bezos in a global newsletter for leading initiatives during Global Month of Volunteering.
- Intermediate flute player.

## **Volunteer Experience:**

- Class-Chats – Is a program which helps unprivileged kids especially who wants to pursue STEM in future, I am facilitating speech, lectures, motivational journey seminars for those kids, I have completed over 80 class-chat class and one of my class chats was featured in new channel.
- Quarterly blood donation camp for cancer patients, I bridged gap between “Cancer Institute Chennai” where I ensured to conduct blood-donation from Amazonian. Due to my constant support, my team and I received appreciation from “Government of Chennai” as best corporate CSR team.
- To increase overall volunteerism, my team and I came with “Global Month of Volunteering” where we celebrate September month as month of volunteering, this idea was taken by globally by world-wide communications team and that was made as global event in amazon. Over 1500+ different activities and over 50K unique volunteers participated and made it a huge success, I also got appreciation from Jeff Bezos and Andy Jazzy for going above and beyond via world-wide newsletter.

## **Honours and Awards:**

- LIMCA Book of record holder.
- Introduction to Relational Database by SQL.
- Google PMP Certified with Capstone Project.
- Stood 1st in Analog Circuit Maker 2015 by Texas Instruments.
- Certified Data Analytics Champion - Alteryx Foundation Micro-Credential.
- Amazon certified – Risk and Privacy Manager, multiple times awarded as star-performer and best manager.
- Presented Paper in All India seminar on" INTERNET OF THINGSTRENDS THAT AFFECT LIVES" organized by The Institute Of Engineers (India), in associated with NASSCOM, Department of IT Gov. of India.