

# Yashkumar Chandwani

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🐙 [github.com/yashc1712](https://github.com/yashc1712)

## Education

### University of Texas, Arlington

*Master of Science in Computer Science*

**January 2023 – December 2024**

*Arlington, Texas, USA*

### Gujarat Technological University

*Bachelor of Science in Information Technology*

**June 2018 – June 2022**

*Ahmedabad, Gujarat, India*

## Relevant Coursework

- |                       |                           |                         |                   |
|-----------------------|---------------------------|-------------------------|-------------------|
| • Data Structures     | • Database Management     | • Python                | • Cloud Computing |
| • Web Data Management | • Artificial Intelligence | • Computer Architecture | • Data Mining     |
| • Algorithms Analysis | • Machine Learning        | • Software Engineering  | • Computer Vision |

## Technical Skills

**Languages:** Python, JAVA, HTML, CSS, Javascript, PHP, SQL, React, Vue.js, Node.js, AngularJS, SQL, C/C++

**Libraries/Framework:** Laravel, Codeigniter, TensorFlow, scikit-learn, Pandas, Tableau, Seaborn, AWS, Azure, MongoDB, GPT-3, PowerBI

**Data Analysis:** Exploratory Data Analysis, Data preprocessing, Data Visualization, Feature Engineering, Data warehouses

**Algorithms:** Decision Trees, Random Forest, Neural Networks, NLP, SVM, Regression Analysis, Reinforcement Learning, Distributed Training

## Experience

### Freelance Data Science Professional

**February 2024 – Present**

*Outlier AI*

*Remote, USA*

- Fine-tuned pre-trained LLMs for specific applications, achieving performance improvements of up to 25%.
- Implemented LLM based solutions for chatbots, virtual assistants, enhancing user engagement by 40%.
- Developed, trained, and optimized predictive models, increasing accuracy by up to 30%.
- Communicated findings and recommendations to technical and non-technical audiences through detailed reports, presentations, and visualizations.

### Machine Learning and Data Analysis Engineer

**January 2022 – December 2022**

*Prolitus*

*Delhi, India*

- Led customer segmentation analysis using machine learning, increasing campaign effectiveness by 30%.
- Also assisted data scientists in various projects, including forecasting, model tuning, and dashboarding, leveraging advanced analytics tools to deliver accurate insights.
- Developed a forecasting model that significantly enhanced accuracy by an impressive 60%.

### AI Engineer intern

**January 2019 – December 2021**

*Invennico*

*Gujarat, India*

- Implemented NLP algorithms that reduced response times for chatbot interactions by 50%, enhancing user experience.
- Developed and deployed machine learning models that automated key business processes, increasing operational efficiency by 35%.
- Reduced deployment costs by 20% by utilizing AWS for scalable and robust AI solution deployment.
- Improved system reliability through hands-on problem-solving and debugging of AI-driven applications.

## Projects

### Voice Assistant (June 2023) | *Python, NLP(Natural Language Processing), Speech recognition, Google Cloud's speech recognition*

- Developed Python-based voice assistant with NLP and speech recognition. Enabled hands-free note creation and to-do list management. Integrated Google's speech recognition API. Implemented text-to-speech functionality.

### Chatbot (February 2023) | *Python, natural language processing (NLP), TensorFlow, Chatbot frameworks and RESTful APIs.*

- Created a chatbot, increasing user engagement by 40% and integrated NLP algorithms, reducing response time by 50%.

### Real-time Data Visualization Dashboard (January 2022)

- Developed a real-time dashboard using React and Python for visualizing and monitoring key business metrics.
- Implemented interactive visualizations with Seaborn and Plotly, enhancing data accessibility and decision-making.

## Certifications

Certified in Data Science with BCG X, April 2024

Participated in Datathon with University of Texas at Arlington, February 2024

Certified in NLP in Machine Learning through LinkedIn Learning, August 2023

Certified in Google Data Analytics Professional Certificate through Google, September 2022