



# SHRAVAN YATISH KALZUNKAR

Pune, Maharashtra 411037

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## Education

### Vishwakarma Institute of Technology

Bachelor of Artificial Intelligence and Data Science. GPA: 8.55

Jul 2023 – Jun 2026

Pune, Maharashtra

### Dr. Babasaheb Ambedkar Technological University

Bachelor of Information Technology. GPA: 9.09

Dec 2020 – Jun 2023

Lonere, Maharashtra

## Technical Skills

**Languages:** C++, Python, JavaScript, SQL

**Frameworks & Tools:** Flask, Pandas, Google API, Python SDK

**Database:** MySQL, MongoDB

## Experience

### Shree Ganesh Enterprises

July 2022

DBA Intern

Ambernath, Maharashtra

- Developed, designed, and managed optimized MySQL queries, ensuring efficient data handling.
- Refined queries through indexing and schema design, improving database performance.

## Projects

### ImageGafter – AI-Driven Data Augmentation for Computer Vision

- Developed a synthetic image generation tool leveraging Large Language Models and diffusion models, producing 150+ unique images daily, addressing critical data scarcity challenges for machine learning model training pipelines.
- Determined that a balanced mixture of real and synthetic images in a dataset improved model accuracy by 9%, while also reducing overfitting and improving generalization capabilities.
- Applied advanced augmentation to surpass traditional image-to-image models and cutting training time by 20%.
- Implemented a multimodal AI captioning pipeline utilizing transfer learning, automatically labeling 7,500 data points and cutting dataset preparation time by 8 hours weekly in classification tasks.

### DataVista – A Generative AI based Database Management System

- Revamped database management system utilizing both SQL and NoSQL architectures, which optimized data manipulation and analytical queries, decreasing average processing time by 30% and supporting increased data loads.
- Integrated Large Language Models to auto-generate SQL and MongoDB queries, with outputs and explanation in natural language.
- Enhanced developer productivity by 50% through streamlined query creation and comprehension.

### EduTubeNotes – AI-Powered summarization for YouTube videos & Recorded Lectures

- Built an advanced AI platform that automatically summarizes YouTube videos and recorded lectures using Gemini 1.5 Pro Vision, generating concise, topic-wise structured notes for efficient learning and content comprehension.
- Deployed dual-mode functionality, multilingual summarization, and a user-centric interface with real-time chat-bot assistance overcoming the limitations of existing tools that lack structure, interactivity, and accessibility.
- Engineered a scalable cloud database solution for storing and retrieving summaries enabling personalized support for coding and mathematical content, distinguishing EduTubeNotes as a comprehensive digital learning solution, that supported 5,000+ summaries.

## EXTRACURRICULAR

### Ignite Technical Committee

December 2020 – June 2023

Technical Committee Member

[Dr. Babasaheb Ambedkar Technological University]

- Led the design and implementation of 2 annual coding competitions, resulting in a 20% increase in student participation and enhanced practical skills development throughout the university's engineering programs.
- Collaborated with faculty and experts to deliver workshops and seminars on emerging technologies.

## CERTIFICATIONS

- Building Generative AI Skills for Developers – LinkedIn
- Advance Your Skills in Natural Language Processing – LinkedIn
- Microsoft Power BI Data Analyst – Coursera