

# Akash Kumar

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## Education

**Vel Tech University, Chennai, Tamil Nadu**

July 2018 – May 2022

Bachelors in Computer Science Engineering

GPA: 8.03

**KV AFS AVADI, Chennai, Tamil Nadu**

April 2017 – March 2018

XII CBSE

75%

## Skills

**Languages:** Python, JavaScript, TypeScript, C, C++, HTML/CSS, Bash

**Databases:** MySQL, SQLAlchemy, Oracle SQL

**Libraries:** Langchain, NumPy, Pandas, OpenCV

**Frameworks:** FastAPI, PyTorch, Flask, Node.js, TensorFlow, Bootstrap

**Tools & Technologies:** Git, Docker, Azure, Heroku, Vercel, Apache Spark

## Experience

**Cognizant, Software Developer**

Oct 2022 – Present

Client POC

- Developed a LLM application using langchain and huggingface mixtral model
- Application would take in any Github link and generate a documentation over dbt and pyspark files
- File can be downloaded as text file which can be further used as readme file for repositories
- **Tools:** Python, Langchain, Mixtral, Pinecone, Nextjs, Azure, Vercel

3M Pharma

- Developed and managed the backend of an pharmaceutical company.
- Successfully migrated all orders data from Oracle 12C to Oracle 19C
- Improved the response time on their dashboard by 20% by updating certain queries
- **Tools:** Oracle SQL Developer, SQL

**CipherSchools, Python Teacher Assistant**

April 2021 – May 2021

EdTech platform

- Make videos for students to learn.
- Handle assignment evaluation.
- Handle the doubts being posted in the community
- **Tools:** Python, Excel, PPT

## Projects

**AI Code Documentation**

Tech Stack: Python, Lanchain, NextJS, HuggingFace, Pinecone, Azure, Vercel, HTML/CSS

- Developed a LLM application using Langchain and Huggingface Mixtral model
- Application would take in Github repository link and generate a documentation over dbt and pyspark files
- Output file can be downloaded as text file which can further be used as readme file for repositories

**3M Codebase migration**

Tech Stack: SQL, Tableau, MongoDB

- Developed and managed the backend of an pharmaceutical company
- Successfully migrated all client data from Oracle 12C to Oracle 19C
- Improved the response time on their dashboard by 20% by updating certain queries

**Image Classification-Cats and Dogs**

Tech Stack: Python, Flask, SQLAlchemy, Docker, TensorFlow, HTML/CSS

- Built a tensorflow serving model to Classify the images between cats and dogs
- Built backend for signup and login of users using SQLAlchemy
- Users can upload image of Cats and Dogs and would see the result upfront