

Akash Varde

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EDUCATION

SANJAY GHODAWAT UNIVERSITY, KOLHAPUR

M.TECH IN AI AND DATA SCIENCE
2021- 2023 | Kolhapur, India
Cum. GPA: 8.87/10

BHARATI VIDYAPEETH, PUNE

MASTERS OF COMPUTER APPLICATIONS (M.C.A)
2019-2021 | Sangli, India
Cum. GPA: 9.58 / 10

BACHELORS OF COMPUTER APPLICATIONS (B.C.A)

2015-2018 | Sangli, India
Cum. GPA: 9.39 / 10

EXPERIENCE

TATA CONSULTANCY SERVICES | AI ML ENGINEER

September 2021 – December 2023 | Pune, India

- Collaborated with KPMG, providing AI-driven solutions for German banks, integrating various AI models such as GPT-3.5, Text Devinci, and GPT-3 from OpenAI.
- Engineered Python-based applications employing Flask for RESTful APIs and Azure Cognitive Services for robust AI capabilities.
- Implemented a diverse array of AI tools, including Hugging Face, Lang Chain, LangFlow, and Vertex AI for advanced text processing and language analysis.
- Proficiently managed data using SSMS (SQL Server Management Studio) and Vector Data Stores for efficient data storage and retrieval.
- Utilized Vector DB Pinecone stores vector embeddings for fast retrieval, similar search and followed CRISP-DM for a structured model deployment process.
- Demonstrated expertise in file conversion to DataFrame structures for data processing and analysis.

TATA CONSULTANCY SERVICES | SYSTEMS ENGINEER

July 2018 – September 2021 | Thane, India

- I have been part of IT Security Team(ITIS domain) for the 3 years. Its specially looking for the application development of Access Control and CCTV solutions using Python and MS SQL Server. The work area is very broader to fulfill client demand. I have completed more than 10 projects where i put my efforts into information gathering, coordination with concerned stakeholders, planning, implementation approach and best lead quality to get projects done on time.
- I have worked on different in-house solutions using Python and SQL Server like inventory management, Employee profile management,customize SQL queries like door reports,swipe reports location wise, indoor reports employee id wise etc.

PROJECTS

- Query PDF using Langchain OpenAI
- OpenAI + Python Powered AI Desktop Assistant
- ChatBot using Palm API
- Heart Disease Prediction using R Programming
- Rainfall Prediction using Machine Learning for Maharashtra subdivisions
- Text Classification using Neural Network

SKILLS

- Python • Numpy • Pandas • Flask • Vertex AI • Lang Chain • Open AI • Hugging Face • PyNecone • Azure Cognitive Services
- SQL Server • Vector Data Stores
- Data Science • Machine Learning • R Programming • CRISP-DM for Model Deployment

AWARDS

Got Learning Initiative award by TCS

RESEARCH

TEESSIDE UNIVERSITY, ENGLAND, UK | RESEACH TEAM MEMBER

Jan 2023 | Middlesbrough, England

- I have been selected for fully funded Disaster Management conference under the "Going Global Partnership Grant Programme" initiated by the British Council UK and Teesside University UK. I submitted a conference proposal on a research paper on rainfall analysis of Maharashtra Districts using ML algorithms.

CERTIFICATIONS

Sept 2020	IIT Kharagpur	Introduction to Machine Learning
Feb 2020	Microsoft MTA	Introduction to programming using python
Feb 2020	IIT Bombay	Data Science with python
Nov 2022	Katonic AI	Katonic MLOps Certificate
Dec 2022	University of Michigan	Coursera certification Python
Nov 2023	LinkedIn Learning	Prompt Engineering and Generative AI