

Akash Zalke

Software Engineer

Proven Data engineer motivated by data and results, ready to join a team of critical thinkers, and excited to continue strengthening my career and increasing my skill set by bringing excellence to the Data engineering team.

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WORK EXPERIENCE

Data Engineer

Persistent

07/2022 - Present

Nagpur

Achievements/Tasks

- Automated internal certificate verification using data mining techniques.
- Developed features for optimised code generation on AWS Sagemaker which is a platform that enables developers to build, train, and deploy machine learning models at scale.

Data Engineer Intern

Persistent

Achievements/Tasks

- Made ETL pipelines for extracting data from sharepoint and various other sources and storing the data in datawarehouse
- Gained expertise in Distributed Systems and data warehousing techniques. Experienced in working with big data technologies and able to perform data processing and analysis at scale

PERSONAL PROJECTS

ETL pipeline using pyspark and oozie

- Made a end to end pipeline of extracting data from sharepoint and appending that data into hive table using pyspark and scheduled this workflow using oozie

Streaming pipeline using Azure Stream Analytics

- Developed a comprehensive ETL to ingest and process large volumes of streaming data from a social media platform. using Azure EventHub and done processing in Azure Stream Analytics and stored results in the azure synapse.

Color-Matrix-Based-Virtual-Password-System

- A secure system against various attacks like man-in-middle, shoulder surfing, etc. Mapped keywords strokes to randomised color matrix for encrypting password with initial of a color.

Undefeatable TicTacToe AI using Minmax Algorithm

- The algorithm looks at all possible moves for the current player and then looks at all possible counter moves for the other player.

EDUCATION

Bachelor's Degree (9.1 CGPA)

Government College of Engineering Nagpur

06/2018 - 06/2022

Nagpur

Courses

- Computer Science

SKILLS

Python

Pyspark

Hadoop

Databricks

SQL

Hive

Kafka

Cassandra

Django

MongoDB

Airflow

Azure Data Factory

AWS (lambda, Redshift)

Azure Synapse

Azure Stream Analytics

ACHIEVEMENTS

Won Build.AI (Hack-a-thon)

Issued by Association for Computing Machinery (ACM) among 100+ teams our model yielded the highest accuracy of 92%

Publication Of a Project

Published a paper at International Journal of Research in Engineering and Science (IJRES) for our project Color-Matrix-Based-Virtual-Password-System.

AIR 99 out of 16k in CodeChef STARTS94

3-star coder at CodeChef

CERTIFICATES

Azure Fundamentals (08/2022 - Present)

Microsoft

SQL Certificate (08/2021)

HackerRank

Python Certificate (11/2020)

HackerRank

Problem Solving (Intermediate) (07/2022)

HackerRank

INTERESTS

Chess

Video Editing

Game development (UndefeatableTicTacToe, Naruto Vs Sasuke)