

# Ashwin Abey Dasan

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## EDUCATION

### VIT Bhopal University

GPA: 8.48

*Bachelor of Technology - Computer Science and Engineering (Cloud Computing & Automation)*

*Oct 2022 - Present*

## TECHNICAL SKILLS

**Languages:** Java, Python, SQL (MySQL), JavaScript, HTML/CSS

**Developer Tools:** GitHub, AWS, VS Code, Jupyter Notebook, Figma, Notion

**Libraries:** pandas, NumPy, Matplotlib, scikit-learn

## PROJECTS

### Sadak Soochak | TypeScript, Vercel, PostgreSQL, Flask, Tailwind CSS, Deep Learning

Jan 2024 – May 2024

- Deployed an AI-based traffic system that improved roundabout flow efficiency by over 30% via real-time signal adjustments.
- **Built** a Flask-based public portal with geolocation and image upload to collect pothole reports, enabling **structured municipal feedback loops**.
- Deployed a deep learning model using TensorFlow and Keras to categorize pothole severity from user images with 95% accuracy, streamlining road repair ticket prioritization and routing.

### MediQ | SpringBoot, Maven, Docker, Jenkins, Ansible, AWS EC2

Jan 2025- Apr 2025

- Built a CI/CD-enabled backend to manage medical donations, inventory, and expiry tracking.
- Leveraged Docker for containerization, Jenkins for deployment, and Ansible for config automation
- Integrated Nagios, Grafana, and CloudWatch for 100% observability on AWS free-tier.

### Airtel Customer Churn Analysis | MS SQL Server, Power BI, Python

Jan 2025 - Feb 2025

- Orchestrated robust ETL processes in PostgreSQL to transform and **prepare 10,000+ telecom records**, ensuring data quality and readiness for advanced analytics and machine learning
- – Engineered an **84% accurate Random Forest model to predict 378 likely churners**, unlocking data-driven segmentation and targeted retention initiatives .
- Designed dashboards, summarizing key insights and churn predictions, highlighting a **27% churn rate**, enabling the marketing team to easily interpret the data and **implement targeted retention campaigns**

## ACHIEVEMENTS

- Secured a **Global Rank of 4645 in TCS CodeVita Season 12**, showcasing strong problem-solving and coding skills in a globally competitive environment.
- **HackHer Ideathon Finalist** – Led a cross-functional team to the finals, developed an innovative concept, and delivered a compelling pitch to judges.
- Completed the LeetCode "SQL 50" Study Plan and earned the official badge, demonstrating strong SQL proficiency in real-world data querying scenarios

## CERTIFICATIONS

- **AWS Solutions Architect - Associate** (*Ethnus*)
- **DevOps Fundamentals** (IBM)
- **Web Development(HTML/CSS/JS)** (Coursera)