

Ashwin Abey Dasan

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EDUCATION

VIT Bhopal University

GPA: 8.46

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.

Gather | Flutter, Agora, Firebase, Node.js, Render, Riverpod, Figma

Aug 2023 – Oct 2023

- Delivered a scalable video conferencing application using Flutter and Riverpod, enabling 10,000 concurrent users with secure authentication, surpassing initial project goals for user capacity by 40%
- Designed** enterprise-focused UI/UX flows in Figma and implemented them using Flutter + Riverpod to support **high-conversion** onboarding and usage
- Built secure auth flows with role-based access control, ensuring encrypted, policy-compliant sessions for corporate users.

Simon Game | JavaScript, HTML/CSS

Jan 2025

- Developed a browser-based Simon Game using HTML, CSS, JavaScript, focusing on **real-time interaction** to enhance memory and pattern recognition.
- Applied **event-driven programming and DOM manipulation** to enable instant feedback and **zero latency gameplay** across devices.
- Implemented synchronized audio-visual cues, **increasing engagement** and usability, with consistent 100% response accuracy during testing.

ACHIEVEMENTS

- Secured a **Global Rank of 4645** in **TCS CodeVita Season 12**, showcasing strong problem-solving and coding skills in a globally competitive environment.
- G. Viswanathan Coding Challenge** (100 Days of Code) Completed an intensive **100-day** coding challenge, **consistently** solving daily problems to strengthen logic, consistency, and algorithmic thinking.
- 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)