ARCHITA DEY

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EDUCATION

- **VIT Bhopal University** — 2022 − 2026
  B.Tech Computer Science and Engineering with specialization in Cloud Computing and Automation — CGPA: 8.78

- **Swami Dhananjay Das Kathia Baba Mission School** — 2022
  Senior Secondary (CBSE) — Percentage: 87%

- **Saint Paul's School** — 2020
  Matriculation (ICSE) — Percentage: 84%

PROJECTS

- **IoT Home Automation Device** — October 2023
  - Developed an IoT-based home automation system using NodeMCU8266, 4-channel relay, LED bulbs, switches, and wires.
  - Integrated Blynk, IFTTT, Arduino UNO, and Synric Pro for remote control and automation.
- **Cloud Based Water Quality Index Device** — May 2024
  - Developed a Water Quality Index (WQI) system using NodeMCU8266, TDS sensor, and electric components.
  - Integrated Blynk for monitoring water quality and used Arduino SDK, AWS, MySQL for analysis.
- **Mental Health Mate − AI Chatbot for Mental Health Awareness** — May 2025
  - Built an AI-powered chatbot integrated into a responsive website to promote mental health awareness.
  - Designed UI wireframes and frontend using HTML, CSS, JavaScript, and Bootstrap.
  - Implemented chatbot logic using Dialogflow / OpenAI API and integrated backend support.
  - Deployed and tested the solution; performed debugging and refined based on user feedback.

TECHNICAL SKILLS

Languages	Java, HTML/CSS, JavaScript, SQL, C++, C
Developer Tools	MySQL, IntelliJ IDEA, Visual Studio Code, Cloud platforms (AWS)
Operating Systems	Windows
Coursework	Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Cloud Architecture, AWS cloud practitioner
Soft Skills	Active Listening, Time Management, Team Management

CERTIFICATES

- Internal Hackathon Finalists - Smart India Hackathon 2023
- Python Course - Sagar EdTech
- Virtual Cloud Network - LearnTube
- Applied Machine Learning in Python - Coursera
- C++ Course: Learn the Essentials - Scaler
- MERN Full Stack Certification Program - Ethnus
- AWS Solutions Architect - Associate Certification Program - Ethnus
- SQL for Data Analysis - LinkedIn Learning

POSITIONS OF RESPONSIBILITY

President, CloudZone Club, VIT-B — November 2023 − November 2025
- Directed the organization of 15+ tech talks, competitions, and debates focused on technology and cloud computing, leveraging strategic planning, multitasking, and project management skills.
- Implemented innovative strategies to enhance engagement and participation, demonstrating leadership, problem-solving, and the ability to drive impactful outcomes in a dynamic environment.

Program Representative, VIT Bhopal University — November 2022 − October 2023
- Acted as a liaison for over 300 students, addressing academic and administrative concerns, which improved communication channels and effectively resolved issues between students and faculty.
- Led initiatives to streamline communication and event management processes, showcasing proficiency in managing diverse projects, issue identification, solution development and enhancing team collaboration.