# ADITYA

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## CAREER OBJECTIVE

Driven Software and Data Engineer with leadership and project management strengths, specializing in cloud-native systems, data pipelines, and AI-driven platforms to build scalable, high-impact, real-world solutions.

## EDUCATION

**Bangalore Institute of Technology**                                                                  **Expected 2026**
*B.E - 8.34 - CGPA*                                                                                        *Bengaluru, Karnataka*

## SKILLS & COURSEWORK

**Languages:**              Python, Java, C, C++, JavaScript, SQL
**Cloud & Platforms:**      Amazon Web Services (AWS), Amazon Bedrock, AWS Lambda, Amazon S3, AWS CDK, EC2
**Systems & Concepts:**     Operating Systems, DBMS, Pipeline Development, TCP/IP, OOPS
**AI & Data:**              Generative AI, Prompt Optimization
**Web & UI:**               React, Web Development, UI/UX (Figma)
**Developer Tools:**        Git, GitHub, VS Code, IntelliJ IDEA, Linux

## WORK EXPERIENCE

**Amazon - Internship (6 Months)**                                                                     **Jul 2025 – Dec 2025**
*Data Engineer*                                                                                            *Bengaluru, Karnataka*

- Improved Text2SQL accuracy and consistency for an Amazon Bedrock agent through optimized prompting.
- Enabled automated insights generation to support faster data-driven decisions.
- Enabled faster competitive pricing decisions by eliminating manual workflows and cutting marketplace data processing time from 4–6 hours to minutes by building a CDK Pipeline.

## PROJECTS

**TARS-D AI Voice Assistant**  | Python, Pyttsx3, SpeechRecognition, LangChain, Streamlit  🔗

- Enabled hands-free interaction by building an AI voice assistant supporting real-time question answering and summarization.
- Improved conversational accuracy using multi-turn context handling with **OpenAI API** and **LangChain**.
- Reduced manual effort for routine tasks through voice-driven automation.

**CricSim Pro – Full-Stack Multiplayer Cricket Simulation Platform**  | React, Tailwind CSS, Socket.io, Node.js  🔗

- Enabled real-time multiplayer gameplay through low-latency WebSocket communication and synchronized state updates.
- Improved user experience with responsive UI design and optimized deployments across scalable cloud platforms.
- Supported scalable concurrent users through modular backend and event-driven architecture.

**E-Commerce Website for Rural People**  | React.js, TailwindCSS, Node.js, Firebase, JavascriptScript  🔗

- Enabled digital access for rural communities through a localized e-commerce and information-sharing platform.
- Improved data reliability and user security with real-time synchronization and secure authentication.
- Improved community engagement by enabling local updates and region-specific content delivery.

## CERTIFICATIONS

- Cisco Forecast League, FY2025
- Goldman Sachs – Software Engineering Job Simulation
- Tata Group – Data Visualisation: Empowering Business with Effective Insights Job Simulation

## EXTRACURRICULAR

**Rotaract Club of Bangalore Institute of Technology**  | **Secretary, Photographer**

Led community initiatives including blood donation and winter donation drives, managed logistics for events with 2000+ participants, and handled event photography and social media content to improve engagement and visibility.

**Developers Society Club**  | **Marketing Lead**

Pioneered a UI/UX design competition, training students and securing three industry sponsors; competition findings led to the creation of a new mentorship program.