

# ADITYA

## AI Agent Engineer

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### SUMMARY

I am an AI Agent Engineer with expertise in real-time conversational AI infrastructure and telephony-integrated voice systems. My experience involves designing production-grade AI agents tailored to hospitality automation. Additionally, as a published researcher in LSTM-based time-series forecasting, I focus on scalable AI architecture and low-latency voice pipelines to create efficient and proactive solutions.

### EXPERIENCE

#### AI Agent Engineer (Part-Time)

##### Torq Designs

08/2025 Karnataka, India

A leading company focused on AI-powered solutions, particularly in the hospitality sector

- Architected and deployed AI-powered hospitality communication infrastructure.
- Designed telephony-integrated AI voice systems for real-world inbound reservation calls.
- Integrated Plivo programmable voice APIs with LiveKit real-time streaming infrastructure.
- Engineered conversational workflows to interpret booking intent, dynamically check availability, capture structured guest data, and autonomously execute reservations.
- Achieved sub-500ms conversational latency for natural human-like dialogue.
- Implemented multi-turn dialogue orchestration with contextual memory persistence.
- Designed secure token-based session orchestration for scalable AI participation.
- Managed AI infrastructure deployment and hosting environments on AWS.
- Website: TorqAgents – [https://torqagents.github.io/ai\\_website](https://torqagents.github.io/ai_website)

### EDUCATION

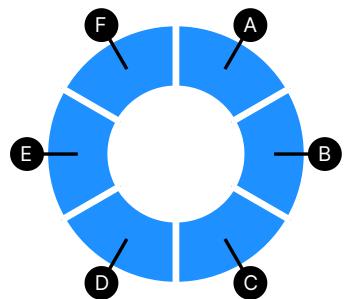
#### B.Sc. in Data Analytics

##### Dr. N.S.A.M. First Grade College

Date period Nitte

## MY TIME

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- A Activity / Initiative
- B Activity / Initiative
- C Activity / Initiative
- D Activity / Initiative
- E Activity / Initiative
- F Activity / Initiative