Contact

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www.linkedin.com/in/abhijitbonik
(LinkedIn)

abhijitbonik.github.io (Personal)

Top Skills

LangChain

LangGraph

Azure

Languages

Assamese (Professional Working)

English (Professional Working)

Hindi (Professional Working)

Certifications

DL0110EN: Deep Learning with
Python and PyTorch

Neural Networks and Deep Learning

Foundations: Data, Data,
Everywhere

Deep Learning with Python and
PyTorch

Deep Learning Specialization

Abhijit Bonik

Realtime Voice AI | Live Voice Agents | Conversational AI
Bangalore Urban, Karnataka, India

Summary

At Voicing AI, my focus is on leveraging Generative AI to transform
B2B AI telephony, enhancing customer interactions with AI-enabled
voice solutions. We are streamlining communication processes with
innovative AI audio telephony, building upon a strong foundation in
MLOps and prompt engineering.

Previously at Pixis, the team and I developed a Generative AI
platform for Ad Creative generation, utilizing Computer Vision
and a RAG based LLM architecture. This experience, along with
my proficiency in multiple programming languages, has been
instrumental in my current role, driving advancements in AI voicing
infrastructure.

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Experience

Voicing AI
Lead Machine Learning Engineer
January 2025 - Present (1 year 1 month)
Bangalore Urban

• Developing AI voicing infrastructure for B2B AI telephony at Voicing AI.

• Building AI agents with telephony-based voice enablement for enhanced

customer interactions.

• Low latency audio streaming

• Voice activity detection.

Pixis
Senior Backend Developer - Machine Learning
January 2024 - December 2024 (1 year)
Bangalore Urban, Karnataka, India

Pixis develops codeless AI infrastructure to help brands scale all aspects of

their marketing in a world of complex consumer behavior.

1. Working on a Generative AI platform for generating Ad Creatives using

Computer Vision and AI.

2. Working on a RAG based LLM architecture.
3. Model Training and Deployment

FireCompass
Software Engineer
October 2021 - January 2024 (2 years 4 months)
Bangalore Urban, Karnataka, India

In my role as a Back-end Software Engineer, I spearheaded feature development and optimization initiatives spanning a diverse array of micro-services written in Python, Node, and Go, strategically deployed across Google Cloud, Azure, and AWS environments. A primary objective revolved around minimizing latency by executing targeted optimizations within code and infrastructure. Notably, I mentored junior engineers, fostering their growth while ensuring adherence to rigorous technical standards throughout feature development cycles. Collaborating seamlessly with security engineers, managers, and top-level leadership, I orchestrated innovative advancements that harmonized technological capabilities with overarching strategic objectives.

My contributions extended beyond conventional software engineering tasks.

1. I engineered customer-centric service performance enhancements, prioritizing the reduction of memory and CPU process costs while ensuring a seamless user experience.
2. Implementation of Kafka as a messaging service facilitated efficient communication between disparate micro-services, replacing Google Pubsub. This transition lowered costs and empowered greater in-house control over service operations.
3. The integration of Dead Letter Queue functionality within Kafka was a pivotal achievement, effectively addressing failure issues in both Producer and Consumer ends, enhancing system robustness.
4. Throughout my tenure, I actively collaborated on over 20 micro-services and packages written in Python, thereby consolidating expertise and impact across varied technology stacks.
5. Overseeing more than 50 software releases underscored my commitment to meticulous project management and ensured the delivery of high-quality, refined deliverables.

These technical endeavors, from performance optimizations and messaging infrastructure enhancements to software release management, significantly

propelled the company's technological advancements and operational efficiency.

Indian Institute of Technology, Bombay
4 years 2 months

Project Software Engineer
August 2019 - September 2021 (2 years 2 months)
Mumbai Area, India

- Was working as a Backend Developer for Spoken Tutorial
- Working on Event Logs and Analytics System.
- Writing Middlewares for capturing event logs using ELK stack.
- Optimizing ORM queries and caching large queries in the system using Memcached.
- Creating core modules and Rest APIs for the system.
- Writing asynchronous celery task and cron jobs for converting bulk Spoken tutorial videos using ffmpeg and sending bulk mails.
- Upgrading the entire system to latest version of Python and Django.
- Python, Django, Memcached, Elk Stack, Creating Logstash pipeline, Django Middlewares and Database Routers.

Jr. Software Engineer
August 2017 - July 2019 (2 years)
Mumbai Area, India

- Was working as Backend developer for NVLI Project at IIT Bombay.
- Involve in creating core modules for multiple Python and Django projects.
- Involve in design and development of Rest APIs using Django Rest Framework and integrated
other Opensource Software APIs in multiple system.
- Worked with teams for development of a large Microservice Architecture based system and created
a scalable architecture for deployment.
- Involve in Code monitoring, managing Git branches, creating Docker and Docker Compose files.
- Worked in projects that uses Apache Kafka, Elastic Search for queuing and indexing events logs.
- Supervising interns in different projects and sub-projects.

Indian Institute of Technology, Bombay
Software Developer Intern (NVLI Project)
January 2017 - June 2017 (6 months)
Mumbai Area, India

- Involve in creating a Workflow and Revision module using Python
- Involve in writing specification for multiple modules
- Integration of Solr search with a Portal developed in Drupal for generating search results.

Mirania Data Systems
Web Research Analyst
November 2013 - April 2016 (2 years 6 months)
Guwahati Area, India

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Education

Cotton University
Master of Computer Applications (MCA), Computer Science · (2014 - 2017)