DISHANT GANDHI

Using my expertise in LLM, Rasa, NLP, and machine learning, I build solutions for common customer problems. Still developing conversational assistants rather than robots. Eager and open to contributing to organizations and the community.

CONTACT DETAILS:

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FUNCTIONAL & TECHNICAL SKILLS

Python, LLM, RAG, SQL, Docker, CI/CD, Mongodb, Kotlin, REST, HTML, CSS, Js, IBM Watson, SciPy (Scikit Learn, Numpy, Pandas), PyTorch, Communicative, Public speaking, Management

USEFUL LINKS

Github: Horizon733
YouTube: Droid City
Medium: Dishant Gandhi
Website: Dishant Gandhi

CORE SKILLS

- *LLM*
- *Rasa*
- *RAG*
- *Python*
- *Java/Kotlin*
- *Docker*
- *Kubernetes*
- *Leadership*
- *Problem Solving*
- *Scrum*
- *Agile*
- *Jira*

LANGUAGES

English: Native or Bilingual Proficiency
Hindi: Native or Bilingual Proficiency
Gujarati: Native or Bilingual Proficiency
Marathi: Native or Bilingual Proficiency

WORK EXPERIENCE

ChatOwl

SENIOR BOT DEVELOPER, MAY 2023 - PRESENT

- *Managed* a team of 3 junior developers, enhancing their technical skills and ensuring seamless integration of new features
- *Developed* a mental therapy bot with advanced features such as symptom detection, suicide detection (achieving **98%** accuracy), and one-on-one therapy using LLM integration
- *Worked* on developing and integrating large language models to detect mental health issues, including anxiety and depression, significantly improving user experience by **86%** and suicide detection by **100%**

Rasa GPT-3 assistant

FREELANCE, DEC 2022 - FEB 2023

- *Built* a real estate assistant using Rasa and GPT-3, integrating API responses to provide answers for residential inquiries
- *Instructed* project managers on Rasa fundamentals, including NLU, domain setup, stories, rules, and configuring config.yml

Rasa Basic Training

FREELANCE, NOV 2022 - DEC 2022

In Rasa basic Training, I have taught a project manager, about following topics:
- *What is Rasa? how to get started with?*
- *NLU, domain, stories and rules*
- *Forms and custom actions*
- *Config.yml and custom channels*
- *endpoints and credentials files*

Hoory

AI/ML ENGINEER, NOVEMBER 2021 - MAY 2023

- *Created* a streamlined system using Python and React.js, allowing users to generate virtual assistants with a single click
- *Engineered* a sports betting assistant using Python, Docker, Rasa, NLP, and FastAPI, enabling users to place bets on any upcoming sport; developed a multilingual chatbot using Rasa, supporting multiple languages and broadening user reach
- *Participated* in a significant startup conference at Hotel ITC Maratha, networking with Armenia government officials and VPs from major Indian industries like Tata, Kfintech, and Tech Mahindra, fostering India-Armenia relations

Dolphinchat

JUNIOR CHATBOT DEV, JULY 2021 - NOVEMBER 2021

- *Built* chatbots for **4** major clients, ensuring seamless operation across messaging channels like WhatsApp, Facebook, Instagram
- *Utilized* Python, DIET Classification, and NLP for intent and entity extraction, improving **chatbot accuracy by 80%**

Rasa Discord Server Admin

COMMUNITY MANAGER , MARCH 2021 - PRESENT

I manage Rasa's Discord community of over 180 people. I assist community members with their Rasa and other integration channel difficulties and problems. Click-here to join

NeuralSpace

CONVERSATIONAL AI DEV INTERN, DEC 2020 - JUNE 2021

Designed and deployed bots on Azure VM using Docker and integrated a voice bot with Android Studio

ACADEMIC HISTORY

Manipal University - Jaipur

MASTERS OF COMPUTER APPLICATIONS, 2024-PRESENT

- *Focus: Advanced programming, machine learning algorithms, and data science principles*
- *Hands-on Projects: Engaged in LLM (Large Language Models) and RAG (Retrieval-Augmented Generation) projects*

Usha Pravin College

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY, 2018-2021

While I was pursuing my career in IT, I was also involved in extra-curricular activities as follows:

- Head of Graphics in college techfest
- Internship in Neuralspace
- Participated in multiple hackathons online and offline.
- Won Snapchat's hackathon twice.
- Conducted workshops on Rasa and CSML chatbot as speaker and taught more than 200 students.

EVENTS

NCAAIET'24 - Pre-talk Speaker - Intro to LLM and RAG

SAIRAM ENGINEERING COLLEGE, SEPT 2024, VIRTUAL

Delivered a hands-on presentation on:
- *Introduction to Large Language Models (LLMs)*
- *Prompt Engineering techniques*
- *Applications of Conversational AI with LLMs*
- *Retrieval-Augmented Generation (RAG)*

IEEE Quater Tech Table - Speed Mentor

IEEE QUATER TECH TABLE, DEC 2023, IN-PERSON

- *Provided in-person mentorship to graduate and postgraduate students on:*
- *Natural Language Processing (NLP)*
- *Large Language Models (LLMs)*
- *Machine Learning techniques*
- *Offered guidance and insights to help students advance their understanding and projects in these fields*

Jury in Rasa LLM Community Challenge

RASA LLM COMMUNITY CHALLENGE, JULY 2023, VIRTUAL

- *Evaluated projects submitted by over 200 participants in a hackathon organized by Rasa OSS*
- *Assessed and judged entries focusing on innovative uses of large language models (LLMs) and related technologies*
- *Contributed to selecting standout projects and providing feedback on their implementation and impact*

NKC University workshop

HANDS ON CHATBOT WORKSHOP, MARCH 2023, IN-PERSON

- *Invited as a speaker to guide 60-70 students on building virtual assistants from scratch*
- *Covered topics including machine learning models, current chatbot trends, and hands-on chatbot development*

Devpost AMA

HOW TO START OPEN SOURCE JOURNEY, MARCH 2022, VIRTUAL

- *Delivered a hands-on session for participants on starting an open-source journey*
- *Shared practical tips and tricks for developers and beginners to contribute to open-source projects*

UPG online workshop

UNDERSTANDING DOCKER AND RASA, FEB 2022, VIRTUAL

- *Conducted a series of two-day hands-on virtual workshops with Usha Pravin Gandhi College*
- *Taught students about Docker for deployment and Rasa for building virtual assistants using various models*

ACHIEVEMENTS

Rasa Open Source

RASA SUPERHERO, OCT 2021 - PRESENT

*Greatest contributor tag give to very few contributors in Rasa Open
Source. This tag is given to contributor who helps people with different
problems and contributes in codebase and helps community.*

Winner of SnapKit Developer Challenge

COMMUNITY MVP, NOV 2021

*Snap.Inc. conducted second year of Snapkit Developer challenge, this
year I participated to help every participant with Snapkit and its
components.*
I build one API and hosted on cloud platform, where participants can
use it for calling Snapkit's graphql API, which was difficult to call
when used with Android studio.

Rasa Open Source

RASA HERO, DEC 2020 - SEPT 2021

*Second highest tag given to contributor who helps community with
code contribution, answering questions on community forums,
creating video tutorials, etc.*

Winner of SnapKit Dev Challenge

BEST USE OF DYNAMIC LENS, NOV 2020

*Snap.Inc.'s first hackathon which consisted on using their Snapkit for
building any application which would help users virtually.*

*Since covid-19 was active, I built an android application integrating
Snapkit's Lens, which helps teachers to conduct tests and using Lens kit
they can visualize the syllabus topics which helps students to learn
more without getting bored.*

CERTIFICATIONS

Coursera

NLP Specialization

*NLP specialisation taught me about different areas of Linguistics
within Machine learning, such as*
- *Basic tokenization*
- *Vectors, RNNs, Transformers*
- *Translate words and sentences*
- *Sentiment Analysis*
- Using Trax for NER, text generation
*which can be used when building assistants or using any Linguistic
models for text processing.*

Udacity

Intro to ML with pytorch Nanodegree

This Machine learning Nanodegree, I learned about following:
- Supervised Learning by using CharityML to find Donors
- Deep Learning, using Gradient Descent for Image classification.
- Unsupervised Learning using Clustering for Identifying customer segments.

Rasa

Rasa Certified Developer

*When I started the course, I was already familiar with Rasa and I used
this to brush-up my skills. I learnt about following topics:*
- *Dynamic forms*
- *Custom actions and using them for forms*
- *Stories with different senarios*
- *Channel integration.*