ABHISHT CHOUHAN

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Education

Pandit Deendayal Energy University - PDEU   **Sept 2022 – Present**
Bachelor of Technology (honours) in Computer Science, CGPA: 8.44*/10   *Gandhinagar, Gujarat*

The Maharaja Sayajirao University Baroda - MSU   **Aug 2019 – May 2022**
Diploma / Bachelor - 1st in Computer Engineering, GPA: 3.5/4.0, 4th Rank   *Vadodara, Gujarat*

Major Field Experience

Software Engineer & TechLead   **May 2023 – Present**
Lookover.Ai   *Banglore, India / Remote*
- Leading the development of a Cloud Security Posture Management Platform, incorporating an Integrated Co-Pilot feature powered by Generative AI.
- Spearheading the creation of a Cloud Cost Assistant and Threat Intelligence System for business, integrating multiple cloud service providers such as AWS, GCP, Azure, Kubernetes, and others into a unified and intuitive dashboard.
- Created an Open-Source Engine for ETL (Extract, Transform, Load) with seamless integration of various services. Developed custom plugins to facilitate easy connections with popular language models such as OpenAI, HuggingFace, and more, enabling one-click access to their powerful LLM (Language Model) services.

Software Engineer (Backend)   **Oct 2022 – March 2023**
PowerStrip India   *Noida ,Uttar Pradesh*
- Created EV Charging Infrastructure on Cloud. Developed Users Applications on Cloud and Solved Problems on Infrastructure Level & developed OpenAPI 3.0 and Worked with Client Application for Powerstrip. Automated EV Charging HUB Hardware using Cloud Jobs.
- Developed Merchant, Client Platform's on Backend using AWS and GCP. Managed and Created CICD Pipelines using Jenkins.

Software Engineer & Techlead   **Jan 2022 – Oct 2022**
Core Media & Passion8 (Affiliated by Core Media)   *Vadodara ,Gujarat*
- Developed & Managed E-Commerce Fashion Application using Shopify Graph API & integrated Multiple Payment Gateways System using WebHooks and Serverless Architecture.
- Liaising with Team members, Management, and Product Clients to ensure platform is completed to standard. Also Created Whatsapp and Telegram Bot for Ordering Products
- Developed Web Application for CRM & Telegram Bots for Client Interactions to Automate Workload and Contracts & Collaborate with Out-Sourcing Team

Software Engineer Intern (Full Stack)   **July 2021 – Jan 2022**
Lynks Studio   *Mumbai ,Maharashtra*
- Cloud Development & Software Architecture Engineering on AWS & GCP. Developed OpenAPI 3.0 and Worked with Android Team for creating SaaS and PaaS Product for Lynks.
- Created Lynks Biz Console Application for B2B & B2I SaaS Product for Business Platform in Lynks Studio.
- Developed Lynks Influencer Platform's Backend on Cloud using AWS and GCP. Used EC2, Lambda & other services for Integration for Connecting Facebook, Instagram Graph & YouTube API's.

Software Engineer   **Oct 2020 – Jan 2021**
Patanggg - The Kite Shoppe   *Vadodara, Gujarat*
- Developed Ecommerce Platform during Covid-19 crisis for the user, to buy products for the Popular Kite Festival.
- Worked with Google Firebase Platform. Designing the Database Management System using Python & JavaScript with connecting it NoSQL Database.Programmed Product Manager for Product Deployment and User Transaction.

Cyber Security Analyst Intern   **Aug 2020**
The Cyber Agents (TCA)   *Remote*
- Participated in Creation of hardening Techniques and Protocals.
- Encryted Data and Erected Firewalls to protect confidential information.
- Monitored computer virus reports to determine when to update virus protection systems.

Achievements & Hackathons

Google Cloud Hackathon, Qualified for Regional Finals   March-June 2023
EHR System using Generative AI   *Pune, India*
- Developed a Next-Generation EHR (Electronic Health Record) System with AI-Driven Content Generation using Generative AI. Patients can now not only interact with doctors but also engage in conversations with the ChatBot to receive precise answers backed by reputable knowledgebase sources. Our system design also prioritizes data privacy and integrity.

Hack-Vengers, Won 1st Runner-Up Award   March 2023
Cloud Forensic & Security Engine   *Vadodara, India*
- Our solutions simplifies Cloud Infrastructure Analytics by providing RealTime Benchmarks & Audit Logging. By Providing more than 500+ Compliances Reports across different Cloud Providers, we are enhancing about 20-30% of the Costing Reduction. Also providing Cloud Forensic & Security Reports, we are preventing further Data breaches & Carbon emissions.

DotSlash Hackathon by SVNIT, Qualified for Final Round   February 2023
Cloud Security Tool   *Surat, India*
- Our solution simplifies Cloud Infrastructure Analytics by delivering real-time infrastructure data. Through precise analytics of AWS Cloud Accounts, we enhance cloud observability and reduce service costs.

Top Major Projects

CloudGhost Engine: By leveraging Generative AI, I have developed a CSPM Engine that enables GraphAPI's to efficiently query Cloud Services and Security Tools. I also utilized CloudQuery & SteamPipe for seamless ETL operations, and implemented Kafka and AirByte for an efficient Data Pipeline. The entire solution is wrapped in Docker for enhanced portability and deployability. Additionally, I incorporated a Co-Pilot feature to further boost user observability and action performance over integrated Cloud Services.

AI Chat-Bot using Generative AI: Utilized Python, LangChain and Streamlit to develop a ChatBot using OpenAI APIs. This application possesses the capabilities to modify the knowledge base and offers customization options.

Generative AI based Blogging Platform: Utilized Python, LangChain, NextJS, and Express.JS to develop a Blogging Platform with an AI-Driven Recommendation System. This platform is designed to be used by 10k daily users. The application possesses the capabilities to generate notifications based on user preferences and automatically create new pages. It records user interactions on the platform and provides dynamic recommendations for blogs and content

RTMP & WebRTC Live Feeder: Developed WebRTC Server for Live Meeting using Socket.io and WebRTC Module. Tested RTMP Server for Real Time Video Streaming accross Multiple Devices and created all the Features in Single Server. Used AWS CDN for VoD Steaming.

Educacy - EdTech Platform: Developed SaaS Application targeting 50k+ Daily Users from Different Platform. Modules includes Live Meet, Online Classroom Learning, University Platform , etc.

Technical Skills & Major Certification

Expertise: Problem Solving , Generative AI, Prompt Engineering, System Design, Backend Engineering, Software Architect, Full-Stack Web Development.

Programming Languages : JavaScript/NodeJS , Python , C++/C , Java ,Shell Scripting.

Web Technologies: React JS, Next JS,React-Native, TailwindCSS , BootStrap , jQuery.

Backend Engineering: Express.js , Django , Flask , GraphQL/RESTful , Apache Kafla, etc

DevOps: Jenkins , Docker, Kubernetes, Teraform, Hadoop etc

Other Skills: Machine Learning & AI , Algorithms Analysis & Design , Data Structures, Database Management, Linux Management, Git, CI&CD, Deep Learning, NLP, Web Scrapping, etc

Experienced: Amazon Web Service , Google Cloud Platform , Agile Development , Jira , Project Manager , DevOps.

Skills Certification: HackerRank RESTAPI Immediate, Python Immediate and Problem Solving Expert.

Course Certification: ISRO Machine Learning to Deep Learning , ISRO Geo-computation and Geo-Web Services. Accenture Virtual Developer Program. DeepLearning: Prompt Engineering for Developers, Intel AI DataCenter to Edge.