

Abhishek Udiya

☎ 8827512574 ✉ abhishekudiya09@gmail.com 💻 in/abhishek-udiya-87452618b 🌐 github.com/abhishek0908

Education

National Institute of Technology Karnataka.

08/2021 - Present

Masters of Computer Applications

University of Delhi.

08/2018 - 07/2021

Bachelors of Science in Electronics (Hons.)

Work Experience

Videonetics | *Senior Engineer* |

08/2024 - Present

- Created a gRPC microservice in Python to expose an image processing algorithm, implementing over 84+ RPC calls from scratch.
- Designed and implemented a job-tracking system with Redis integration to allow users to efficiently monitor the progress of image processing tasks.
- Followed the Singleton design pattern and other best practices to ensure scalable and maintainable code.
- Contributed to the backend server (Node.js) by implementing an authentication system and developing various APIs.
- Collaborated with ML Engineers to integrate an advanced heatmap generation algorithm into a new microservice using gRPC.
- Developed workflows for deploying the microservice on in-house servers.

Karbon Business | *Software Engineer - Intern* |

02/2024 - 08/2024

- Created a micro-service that generates Business Resolution (BR) documents, seamlessly integrating features and handling edge cases using the Django framework and WeasyPrint library.
- Designed an automated pipeline to streamline the process of data dumping between databases, improving efficiency and data integrity.
- Created API's to deliver insightful data on top merchants and sectors, and integrated caching mechanisms using Redis to optimize response time.

Projects

Almabase - Connecting Alumni with Students | *HTML, CSS, JavaScript, Python, Django* | **GitHub**

05/2023

- A web application aimed at helping over 6000 students annually enhance their career opportunities through insights and resources shared by alumni.
- Developing onboarding capabilities to support over 2000 new students yearly, providing access to job postings, interview experiences, academic content, and comprehensive alumni information, empowering students' career journeys.
- Integrated email notification feature to improve user engagement with timely job posting notifications.
- Implemented Google authentication for seamless sign-in and enhanced account security.

Technical Skills

Languages: Java, C, Python, JavaScript, SQL.

Skills: HTML, CSS, Django, MongoDB, Node.js, React(Basic), Redis, Docker, Data Structure and Algorithms.

Core Subject: Operating System, Computer Network, Object-Oriented Programming (OOP), DBMS.

CERTIFICATIONS & ACHIEVEMENT

Problem Solving

NIMCET RANK AIR : 128 • Leetcode 500+ Problems (<https://leetcode.com/abhish0908/>)

Python 101 for Data Science

05/2020

Cognitive Class IBM

Deep Learning with Medical Image Processing

01/2020

IGDTUW

Co-Curricular Activity

SPIE Student Chapter

09/2019 - 10/2019

Organizer & Member of SPIE Events

University of Delhi

- Led the planning and execution of a large-scale project exhibition for the SPIE Society of Optics and Photonics, showcasing 20+ projects and attracting 200+ attendees with positive feedback.
- Managed coordination, logistics, and team communication, ensuring the successful organization of the event within a 1-month deadline.