

# Abhishek Udiya

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## 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.
- 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, Express.js, React(Basic),JSON, Bootstrap, 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, showcasing over 20 projects from the SPIE Society of Optics and Photonics at the college level.
- Successfully managed the coordination and logistics of the event, attracting more than 200 attendees and receiving positive feedback for the impactful exhibition.
- Facilitated communication and collaboration among team members, resulting in the successful organization of the exhibition within a tight deadline of 1 months