

# Manak Kumar Singh

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Indrapuram, Ghaziabad

Solution driven programmer with experience in application development and back-end and front-end web development.

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## Skills

**Programming Languages:** Python, C/C++, Java, HTML, CSS, JavaScript

**Frameworks/Technologies:** Django, PIL, LXML, Tkinter, win32api, win32con, Winreg

**Certifications:** CCNA, Hackerrank (Python Intermediate)

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## Experience

**Looseleaf**

(OCTOBER 2020 - current)

### Django/Python Intern

- Created user hierarchical model view controller backend.
  - Created custom user authentication backend logic.
  - Made an entire interactive admin back-end framework to interact with the database with CRUD ( Create, Read, Update, Delete ) operations .
  - Managed different forms, database interactions (PostgreSQL) and error handling for the website.
  - Developed a API to automate account creation through excel files which saved a lot of time for testing and improved the production quality.
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## Projects

### Acessor, a Windows Executable Search Engine— Python, Tkinter

- Created a responsive Windows application which lets the user search for executable files on their system.
- Made a UI for the application using Tkinter and handled procedural programming using Python.
- Constructed various file searching methods which achieved in extracting more results than the default windows search using winreg, os and pickle module.
- Made web searching possible on the application by web scraping and retrieving the desired results from the web.
- Developed a method which opens and minimizes the application using keyboard hotkeys.

### Image Reel— Java, JDBC, Servlet, JSP

- Made a platform to share images on the website anonymously on Java.
  - Built back-end user authentication and account creation and stored it in a SQL database.
  - Handled image viewing on the front-end using bootstrap.
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## Education

**Bachelor of Computer Science**, Amity University (Exp. 2022)

**Languages:** Hindi (Native), English (Native), Japanese (Conversational)

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