

# NIDHI OJHA

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## Professional Summary

Passionate Coder with 2 years of experience in developing robust code in day-to-day life. Software developer in GSDL Delhi. Ability to translate business requirements into technical solutions.

Skills	Technology Stack
Soft Skills	Python-3.X(Web Development with Flask API), JAVA(Core Java, J2EE Framework), MVC Architecture, GIT hub, Java script, HTML, C, OOPS Concepts, DS and Algorithms,
Packages & OS	Linux Ubuntu
Databases	MySQL, MONGODB



## Employment

### Software Engineer, **GSDL, New Delhi, India**

Current

- Working on tech-stack on Python Flask MongoDB based project.
- Build secure system for users to create their profile and can see current opening and apply to the job.
- Implemented secure login, authentication and authorization module using OTP verification.
- File read and write module for document verification by user-admin.

### Software Engineer, **IL&FS Technology Gurugram, India**

October 2014 – July 2015

- Worked on prototype of creation design for Bangladesh Government Land Management System Project (BDLMS).
- Project for streaming work-flows for Land Management Online for Bangladesh Govt and their citizen.
- Created an algorithm to generate dynamic PDF by accessing data from SQL, and uses Jasper-soft Studio for the same.
- Received full time job offer based on performance in the project.



## Education

1. M-tech. in Computer Science and Engineering from **NIT, Patna India** in 2020 (76.1%).
2. B. Tech. in Computer Science from WBUT in 2014 (69%).
3. Under Graduate Course works: Computer Architecture, Theory of Computation.Algorithms,Data Structures, Operating Systems, Network Protocols viz. TCP & UDP, DBMS

## Other Projects:

### Online Job-Portal:

- **Technology:** MYSQL Server as DATABASE, FLASK, Python and associated packages.
- The objective of this project is to create an Online Job Portal where recruiter can create new job and can see all applicants who have applied the job where as candidates can see current openings jobs and can apply to the job.

### CLI-Based Project:

- **Technology:** MongoDB Server as DATABASE, FLASK, Python and associated packages.
- This CLI Application contains CRUD items with Cart addition and deletion capability.
- Each operation except Search item requires user/admin credentials. In C-U-D methods authorized user only can do the operations.
- User/Admin can Register themselves. For cart operations only Admin can add new products to the list and user can add those products to their cart.
- Admin have permission to add coupons per product as well as can modify the accessibility of the coupons per product.
- User can buy/add multiple product from the cart as well as can view the coupons available at any point of time and can apply to it but it can access only one time and can get discount based on final billing stage.
- For remove (DELETE) items, only Admin who added the item previously is allowed to delete, Bill generated after checkout from cart including discounts and after applying coupon.

### Masters Research Works & Thesis:(AI ML and Deep Learning)

- **Topic:** A Comparison Based Breast Cancer High Microscopy Image Classification Using Pre-trained Models.
- **Description:** In this paper I have used various deep CNN architectures to classify high microscopic breast cancer tissue images and compare their performance based on accuracy, precision, recalls, and F1-scores.
- Even if there are limited number of data-sets I perform some techniques to overcome this problem and trained my model which uses some techniques to avoid over-fitting.
- For classification purposes we have used the LightGBM method.
- Also our model gives the best result with the minimum error rate compared to all other previously worked done.
- In this paper I had used a strong preprocessing techniques on images to extract features more precisely and did various experiments to achieve desired result, and result I achieve gives promising result.

## Other Interest

1. Love to solve various problems based on Trees & Link lists Data structures on python and previously in C & used in product development.
2. Passionate about mathematical Approach of Computer Science.
3. Travelling, Food and Music.

## Stand offs

1. Qualified BHU BSc exam with all India rank 70.
2. Qualified Gate-2018 with all India rank 4000.
3. Master's research work had been accepted and published in 6th International IEEE conference SCES, Prayagraj and published.