



Abhishek Singh

B.Tech – Computer Science and Engineering - IIT, Dhanbad

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[#github](#)

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EXPERIENCE

EXL Service -Consultant

NOV 2023- PRESENT

- Collaborated with USA's largest automobile company: Worked closely with U.S. clients on a daily basis 1-on-1 following agile practices, gathering requirements, iterating on deliverables, and implementing solutions that align with fast-changing business demands.
- Implemented Data Governance for U.S. Operations: Established strict data governance protocols to ensure regulatory compliance and secure handling of sensitive data, aligned with U.S. client expectations.
- AI-Powered Forecasting Models: Integrated predictive analytics with 95%+ accuracy and machine learning models to assist in forecasting trends.
- Developed NLP Chatbots for Internal Automation: Leveraged LLMs to create chatbots that assist with system inquiries and data retrieval.
- Transformed Reporting Infrastructure: Led the migration of legacy reporting systems to cloud platforms (e.g., Databricks, Azure)
- Automated Data Pipelines: Developed and optimized Python and SQL-based workflows to streamline ETL processes cutting manual effort by 80%
- Optimized Cost and Efficiency: Identified and automated redundant tasks, cutting operational costs by up to 20% and improving delivery speed reducing query times by 50%
- Worked with Petabytes of organization's text data which includes query, the data through Python and SQL.

INTERSHIPS

Newgen Software-Software Developer Intern

MAY 2022-JULY 2022

Content Based File Validator

- Developed a webpage with optimized javascript to validate the file type on content basis. Alerts when the content of a file doesn't match the extension type.
- Checked the header files from multiple sources also deducing the header and trailer of files by analyzing raw data.
- Decrypting the encrypted raw data.
- Handled more than 20+ file types including the most commonly used files(.pdf,xlsx,docx,pptx,mp4,exe,mkv,mp3,avi,jpeg).
- Tech stack used- JavaScript, CSS, HTML, jQuery.

K12 techno services-Project Intern

AUG 2021 - OCT 2021

- Worked as intern on backend for creating APIs using Django Rest framework for voice recording and saving files in databases with user registration.
- Developed a soft delete function/method which lets the user delete the data, but it stays in the database.
- Tech stack used- Django, Python, PostgreSQL

CERTIFICATIONS

- NVIDIA DLI Certificate - [Building Transformer-Based Natural Language Processing Applications.](#)
- NVIDIA DLI Certificate - [Fundamentals of Deep Learning](#)

EDUCATION

Indian Institute of Technology (ISM), Dhanbad— *Bachelor of Technology in Computer Science and Engineering*

JULY 2019- MAY 2023

D.A.V Public School (CBSE) - XII (2017- 2019)

D.P.S Public School (CBSE) - X (2017)

SKILLS

- **Strong:** JavaScript, Python, Machine Learning , AI, LLMs, SQL,Data Structures and Algorithms, MS-Office,HTML,CSS
- **Intermediate:** C++, Cloud, React, Node,Django
- **Beginner:** PHP, XML,jQuery

ACHIEVEMENTS

- **Winner:** Rock The Wagon, Concetto 2019, IIT (ISM), Dhanbad
- **Leetcode:** Solved (300+) problems.
- **Hackerrank:** 5* in problem solving.

EXTRACURRICULARS

- Member of ARKA-Astronomy Club of IIT (ISM) Dhanbad
- Sports: Badminton
- [Creative coding](#). Made intriguing visualizations using JavaScript.