SIDHARTH PUROHIT

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EDUCATION

New York University	**Brooklyn, NY**
Master of Science in Computer Science; GPA: 3.614/4.0	*September 2021 - May 2023*
KIIT University	**Bhubaneswar, India**
Bachelor of Technology in Computer Science; GPA: 9.12/10.0	*Jul 2017 - Jul 2021*

WORK EXPERIENCE

NYU Wasserman Center	**New York, NY**
IT Analyst	*August 2022 - May 2023*

- Built a Flask dashboard powered on Google Cloud Platform to analyze core business KPIs (e.g. Monthly Used Resources); saving 10 hours per week of manual reporting work & $1200+ annually on previously used alternatives.
- Responsible for technical consultation to internal employees.
- Designed the data pipeline architecture in team of 4 for a new product that is used by NYU Wasserman staff.

Depository Trust & Clearing Corporation (DTCC)	**Jersey City, NJ**
IT Intern	*June 2022 - August 2022*

- Enhanced DTCC's SaaS platform in CC4E (Cloud Center for Excellence) by building IAM as a Service toolkit, that manages IAM resources in Multi-cloud platform (AWS, Azure).
- Responsible for overall software design and ownership of the toolkit from design documentation to integration testing.
- Automated the toolkit using DevOps practices via CI/CD pipeline; saving manual workload by 40%.

NYU Tandon School of Engineering	**New York, NY**
Graduate Course Assistant	*January 2022 - May 2022*

- Assisted professor in smoothly conducting the coursework in Cloud Computing & Big Data Systems in Spring 2022.
- Responsible for conducting project demo, solving student queries, holding office hours, grading assignments for the coursework.
- Developed graduate standing projects using AWS - Lambda, SageMaker, Lex, CodePipeline etc.

University of Leicester (Remote)	**Bhubaneswar, India & Leicestershire, UK**
Student Research Assistant	*July 2020 - December 2020*

- Member of Student Research group; conducted NLP backed analysis of COVID-19 genome (FASTA sequence).
- Responsible for implementing "cosine-similarity" and "3D DNA visualization" feature for COVID-19 DNA vs other fatal genomes; analyzed real-time data collected from NCBI (National Center for Biotechnology Information).
- Published findings and contributed to the scientific community to alleviate the spread of global pandemic. Paper link.

ACADEMIC ACHIEVEMENTS

Selected in the prestigious **MITACS Globalink Internship** program - Canada, 2020; among 400 students across the globe.

UNIVERSITY PROJECTS

Coronavirus-Observatory-VIsualization-Dashboard (COVID)	*December 2022*

- Led a team of 3 to design and implement one-place-all solution for COVID-19 semantic search using Google BERT & Streamlit.
- Developed the web application using Milvus database to store vector embeddings of over 1 million+ COVID-19 articles.
- Deployed and containerized the application using Docker and Milvus Standalone server. Project link.

Forward Health Tech System	*January 2022*

- Led a team of 4 to design and implement an Online Supervised learning COVID-19 detector and hospital booking system deployed over AWS cloud (Lambda, SageMaker, Amplify, S3, Lex).
- Developed both web and mobile interface integrated with WhatsApp API using NodeJS, Python.
- Felicitated with highest score for the project in the class. Project Link

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, SQL, Groovy.
Framework/Tools: Amazon Web Services, Milvus, Hadoop, Spark, Docker, Kubernetes, Jenkins, Git/Github, CI/CD.
Web Development: HTML, CSS, JavaScript, NodeJS, REST APIs.