Amish Singh

Roll No.: 2105767

Bachelor of Technology

Kalinga Institute of Industrial Technology, Bhubaneshwar, Odissa

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 GitHub Profile

 LinkedIn Profile

EDUCATION

Bachelor of Technology in Computer Science and Engineering (Core) *Aug 2021-July 2025*

Kalinga Institute of Industrial Technology, Bhubaneshwar, Odissa Percentage: 78.1%

AISSCE (CBSE) *Apr 2019-Apr 2021*

Miles Bronson Residental School, Guwahati, Assam Percentage: 82.6%

SKILLS

Languages: C/C++, Python, Java, HTML+CSS

Libraries: Python: Numpy, Pandas, Random, Time, OS, sklearn, Flask

Frameworks: Flask

Databases: mySql, SQL

Relevent Coursework: Google Data Analytics, Data Preprocessing with NumPy, SQL, Machine Learning in Python, Deep Learning with TensorFlow, Python for Finance, Introduction to Data and Data Science, Data Processing Specialist, Machine Learning in Excel.

Areas of Interest: Machine Learning, Data structures, Data analysis

PROJECTS

WIFI-MAC based attendance system *Aug 2024 - Nov 2024*

Flask, Python, Sys, MySQL

- Designed an automated attendance system to mitigate proxy attendance issues and leveraging MAC address authentication on 100+ devices.
- Developed the system using Python 3.8, Flask, Shell scripts, and ARP to ensure secure and seamless integration.

Disease Prediction and Ayurvedic Medicine Formulation System *Jan 2024 - Apr 2024*

sklearn and Pandas

- Built a disease prediction web application with a 98% accuracy rate, implementing KNN and Multinomial Naive Bayes algorithms.
- Developed a recommendation system for Ayurvedic medicines by preprocessing 3 datasets using Pandas and NLTK.

WORK EXPERIENCE

Machine Learning Engineer Intern *Feb 2023 - Apr 2023*

Acmegrade Pvt. Ltd. / Remote Work from home (3 months)

- Designed and deployed predictive machine learning models, improving data processing efficiency for large datasets (130+ MB).
- Automated ETL pipelines to streamline data extraction and transformation workflows, reducing manual intervention by 100%.

Business Analyst *May 2023 - Feb 2024*

Sharma Enterprises / Hybrid Hybrid (9 months)

- Improved data workflow efficiency by 25%, optimizing storage solutions and reducing redundancies across systems.
- Spearheaded the implementation of data-driven processes, cutting operational costs by 15% and enhancing decision-making accuracy.

HSBC Digital Business Services Job Simulation on Forage *October 2024*

Forage / Online Online

- Completed 3 simulations focused on the areas of Operations and Technology within the Digital Business Services division.
- Brainstormed a high-level list of initiatives to help drive to net zero(0).

CERTIFICATES

Google Data Analytics Professional Certificate *2024*

IBM Certified: Data analysis with python *2024*

AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1 *2024*

365Datascience: Machine Learning in Python *2024*

365Datascience: Data Analysis with Excel Pivot Tables *2024*

365Datascience: Power BI *2024*

365Datascience: Advanced SQL *2024*

POSITIONS OF RESPONSIBILITY

Team Lead, AISoc Machine Learning Competition AISOC *Oct 2023 - Jan 2024*

– Directed a team of 4 to develop and deploy a machine learning solution, securing 3rd place among 50 competing teams.
– Assigned and managed roles for web development, server architecture, and dataset optimization, meeting deadlines 2 weeks early.

Team Lead, College Minor Project Group Minor project/College curriculum *Jan 2024 - Apr 2024*

– Led an 5-member team to design and implement a machine learning model integrating three datasets into a unified system.
– Supervised web development, server management, and dataset handling, achieving all milestones within a compressed time period of 4 months.