

# Amish Singh

Bachelor of Technology  
Kalinga Institute of Industrial Technology, Bhubaneswar, Odissa

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GitHub Profile  
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## Education

<b>Bachelor of Technology in Computer Science and Engineering (Core)</b> <i>Kalinga Institute of Industrial Technology, Bhubaneswar, Odissa</i>	<i>Aug 2021-July 2025</i> Percentage: 79.0%
<b>AISSCE (CBSE)</b> <i>Miles Bronson Residential School, Guwahati, Assam</i>	<i>Apr 2019-Apr 2021</i> Percentage: 82.6%

## Skills

**Languages:** C/C++, Python, HTML+CSS  
**Libraries:** Python: Numpy, Pandas, Random, Time, OS, sklearn, Flask  
**Web Dev:** BootStrap  
**Frameworks:** Flask  
**Databases:** mySql, SQL  
**Relevant 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

<b>WIFI-MAC based attendance system</b> <i>Flask, Python, Sys, MySQL</i>	<i>Aug 2024 - Nov 2024</i>
<ul style="list-style-type: none"><li>Designed an automated attendance system to mitigate proxy attendance issues and leveraging MAC address authentication on 100+ devices.</li><li>Developed the system using Python 3.8, Flask, Shell scripts, and ARP to ensure secure and seamless integration.</li></ul>	
<b>Disease Prediction and Ayurvedic Medicine Formulation System</b> <i>sklearn and Pandas</i>	<i>Jan 2024 - Apr 2024</i>
<ul style="list-style-type: none"><li>Built a disease prediction web application with a 98% accuracy rate, implementing KNN and Multinomial Naive Bayes algorithms.</li><li>Developed a recommendation system for Ayurvedic medicines by preprocessing 3 datasets using Pandas and NLTK.</li></ul>	

## Work Experience

<b>Machine Learning Engineer Intern</b> <i>AcmeGrade Pvt. Ltd. / Remote</i>	<i>Feb 2023 - Apr 2023</i> Remote (3 months)
<ul style="list-style-type: none"><li>Designed and deployed predictive machine learning models, improving data processing efficiency for large datasets (130+ MB).</li><li>Automated ETL pipelines to streamline data extraction and transformation workflows, reducing manual intervention by 100%.</li></ul>	
<b>Business Analyst (as a Freelancer)</b> <i>Sharma Enterprises / Hybrid</i>	<i>May 2023 - Nov 2024</i> Hybrid (18 months)
<ul style="list-style-type: none"><li>Improved data workflow efficiency by 25%, optimizing storage solutions and reducing redundancies across systems.</li><li>Spearheaded the implementation of data-driven processes, cutting operational costs by 15% and enhancing decision-making accuracy.</li></ul>	
<b>HSBC Digital Business Services Job Simulation on Forage</b> <i>Forage / Online</i>	<i>Oct 2024</i> Online
<ul style="list-style-type: none"><li>Completed 3 simulations focused on the areas of Operations and Technology within the Digital Business Services division.</li><li>Brainstormed a high-level list of initiatives to help drive to net zero(0).</li></ul>	

Certificates

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Google Data Analytics Professional Certificate	2024
IBM Certified: Data analysis with python	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

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Team Lead, AISoc Machine Learning Competition	AISOC	Oct 2023 - Jan 2024
<ul style="list-style-type: none"><li>– Directed a team of 4 to develop and deploy a machine learning solution, securing 3rd place among 50 competing teams.</li><li>– Assigned and managed roles for web development, server architecture, and dataset optimization, meeting deadlines 2 weeks early.</li></ul>		
Team Lead, College Minor Project	Group Minor project/College curriculum	Jan 2024 - Apr 2024
<ul style="list-style-type: none"><li>– Led an 5-member team to design and implement a machine learning model integrating three datasets into a unified system.</li><li>– Supervised web development, server management, and dataset handling, achieving all milestones within a compressed time period of 4 months.</li></ul>		