

Nivedita Saha

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Willing to relocate: Anywhere

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PERSONAL PROFILE

I am a dedicated and ambitious student pursuing a MSc degree in Artificial Intelligence and Data Science. With a strong passion for data analysis and problem-solving, I specialize in turning raw data into actionable insights through advanced techniques in machine learning, statistics, and data visualisation. Proficient in Python, SQL, and visualisation tools like Tableau and Plotly, I combine technical expertise with a zest for continuous learning to refine my skills and stay at the forefront of the data industry. My strong numeracy and mathematical abilities enable me to analyse complex datasets effectively, delivering impactful, data-driven solutions that inspire decision-making and add value.

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL
- **Data Analysis & Visualization:** Tableau, Seaborn, Matplotlib, Plotly
- **Machine Learning:** Scikit-learn, TensorFlow
- **Big Data:** Apache Spark
- **Natural Language Processing (NLP):** Pre-processing, Model Development
- **Image Analysis:** ImageJ
- **Software:** Myocyter, Musclemotion (Cardiac Muscle Contraction)
- **Statistical Analysis:** SPSS, AMOS
- **Project Tools:** MS Excel, MS Word, Python libraries for automation, OpenCV, OCR
- **Other Skills:** Digital Marketing, Project Management, Research

WORK EXPERIENCE

Market Research Assistant (Flourish Project – Paid Internship)

Hixon Group | 14/10/2024 - 16/12/2024

- Conducted in-depth competitor analysis to identify market trends and opportunities.
- Assisted in designing and implementing effective social media strategies to enhance brand visibility.
- Developed an application of calendar regarding technological events for 3 years by using HTML, CSS & JS.
- Analysed the LinkedIn data and Google analytics.

Data Analyst (Unpaid Internship)

Innov8 Agency Ltd. | 5/08/2024 - 30/09/2024

- Developing automation systems using Python to streamline internal processes.
- Analysing unstructured data and organising it for reporting using Python and Excel.
- Participating in data-focused meetings to improve decision-making processes.

Project Consultant (Practera Consulting Academy - Consultancy Project)

Kibou App Ltd. | 10/07/2024 - 28/07/2024

- Created 12 months social media marketing strategies, PPC campaigns, and content marketing with a focus on mental health and well-being.
- Conducted in-depth data analysis to optimise digital campaigns for higher engagement.
- Collaborated with cross-functional teams to meet client expectations and deadlines.
- Gained experience in creating compelling content that resonates with a target audience, utilising various formats such as infographics, videos, and interactive posts.

Babysitter (Part-time)

James Hall – Keele Village | 5/5/2024 – 10/9/2024

- Managed the care of children aged 3.5 years, ensuring their safety and well-being during parents' absence.
- Developed strong time-management and multitasking skills by balancing childcare with academic and personal responsibilities.
- Demonstrated excellent communication skills when coordinating with parents about children's needs and schedules.

Research Assistant

United International University, Bangladesh | 01/07/2023 - 31/12/2023

- Work on a Project: “Role of Learner Autonomy in Using Language Learning Strategies among Tertiary EFL Learners In Bangladesh,” (Online)
- Statistical analysis on a survey dataset.

School Internship

Teacher at Jadavpur Vidyapith | 05/07/2018 - 31/12/2018

- Behavioural Management
- Leadership skills

EDUCATION

Master of Science in Artificial Intelligence and Data Science

Keele University | 2024 - 2025

Master of Philosophy in Education

Jadavpur University, India | 2019 – 2022, CGPA: 10/10

BEd

Jadavpur University, India | 2017 – 2019, CGPA: 10/10

Master of Arts in Education

Jadavpur University, India | 2015 – 2017, CGPA: 10/10

Bachelor of Arts in Education

University of North Bengal (Siliguri Mahila Mahavidyalaya), India | 2012 - 2015, First class, 1st position, 69.38%

PROJECTS

Forecasting Ticket Sales for Conference Events: Developed a predictive model using Python to forecast conference ticket sales, leading to better resource allocation and improved event planning.

Hotel Booking System: Designed and implemented a hotel booking system using Python and Tkinter, enhancing the booking process by automating user interactions.

Emotional Classification via Machine Learning: Pre-processed a large dataset and created a machine learning model to classify emotions using Apache Spark for big data processing and analysis.

Automated Vehicle Recognition System: Developed a vehicle recognition system using traditional computer vision techniques (OpenCV, OCR) with applications in traffic management.

Artificial Intelligence and Health: Leveraging AI for wound assessment and predicting hydrogel treatments for chronic diabetic foot ulcers.

Development and Assessment of Cardiac Contraction Analysis Software for Disease Prediction Using Machine

Learning Model: Developing an automation system using ImageJ, Myocyter, and Musclemotion to analyse cardiac contraction data. Implemented machine learning models using TensorFlow and Python leveraging neural networks to predict disease outcomes.

EXTRACURRICULAR ACTIVITIES

Data Analyst (Volunteer)

Mondrem | 11/06/2024 - 28/06/2024

- Analysed and pre-processed data related to workload and work progress using Python.
- Identified data patterns to improve project efficiency and reporting in WorkPlan software.

Volunteer

Nurture CIC | 17/03/2024 - 10/06/2024

- Helping to run events - Woodmeadow Walk Maintenance, What's on Earth (Dorodango).
- Creating social media posts- Graphic Designing, content writing (Facebook, Instagram).

AWARDS

MEXT Scholarship offer, Government of Japan, 2024

Gold Medallist in Bachelor of Arts in Education, University of North Bengal, India

HOBBIES & INTERESTS

Hiking, Baking, Painting

LANGUAGES

English, Hindi, and Bengali