

SARTHAK DUTTA

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EDUCATION

YEAR	DEGREE	INSTITUTE	CGPA/MARKS
(3 rd year) 2022-2026	BTECH(CSE)	NARULA INSTITUTE OF TECHNOLOGY	8.15(3rdSem+1 st)
2021	ISC	SRI AUROBINDO INSTITUTE OF EDUCATION	84%
2019	ICSE	SRI AUROBINDO INSTITUTE OF EDUCATION	93.4%

INTERNSHIP EXPERIENCE

GLOBSYN FINISHING SCHOOL – *student intern*; Sector V, Kolkata 700 091.

July 2024 – August 2024(*expected*)

- **Internship and project making on AI-ML using Python**
- **Contents:** Number Processing with NumPy, Database operations with Pandas, Data Visualization with Matplotlib and Seaborn, Fundamentals of Machine Learning, Hello World of Machine Learning :Perceptron algorithm using NumPy, Implementing Regression using Scikit-learn Module Linear Regression, Classification using scikit-learn : Logistic Regression, Feature Selection : importance and implementation using Scikit-learn, Non Linear classification using Decision Tree, Random Forest and ideas of Bootstrapping and Bagging, Classification using Bayesian Theory and Naïve-Bayes, Parametric Machine Learning Algorithm : K nearest neighbour(kNN), Unsupervised learning using K-means cluster, Introduction, Applications & Examples of AI, Introduction to Natural Language Processing, AI & Types, Human-Computer Interaction Methodologies, Python AI Development, Cognitive Models & Learning.
- **Project:** ML project on mobile sales dataset for predicting customer preferences.

LEADERSHIP EXPERIENCE

Managing Django App demonstration with a group of six members during university training programs, multiple instances of managing team members and acting as SPOC for presentations and competitions.

SKILLS AND EXPERTISE

- **Communication Skills** in fluent English, and Native Languages.
- **Proficient Domains** Advanced Algorithms | Data Structures | Machine Learning | Frontend | Competitive Coding | Data Analysis.
- **Languages** C | C++ | Python | Java | Kotlin | HTML | CSS | JavaScript.
- **Libraries** C++ STL | NumPy | Pandas | Matplotlib | Scikit-Learn | Django Frameworks.
- Proficient with Microsoft Office | PowerPoint | Power Bi Desktop | Vscode | JetBrains IDEs | Sublime Text | Jupyter Notebook | Spyder | Anaconda Navigator.

PROJECTS

- **Machine Learning Project**
Analyzing a dataset on mobiles sales of different brands, and predicting preferability of brands among age group, gender and market valuation using advanced machine learning algorithms.
- **Web development project on creating a responsive webpage using html CSS and JavaScript (Self)**

CERTIFICATES

- Responsive Website Development and Design Capstone, University of London, Platform Coursera.
Grade achieved: 99.20% Certificate link: <https://coursera.org/share/a171f7a3813e840fe2c5428328cb3cd7>
- Object-Oriented Data Structures in C++, University of Illinois, Platform Coursera.
Grade achieved: 100% Certificate link: <https://coursera.org/share/10fe84da603e10fe77d7708d98442f70>
- IOT-based model making, Platform Adrent Software Technologies, Certificate link: <https://certificate.ardentsoftware.co.in/>
Registered email: sarthakdutta2002@gmail.com
- Python with Django Frameworks, Beyond curriculum training at college campus in collab with Adrent Software Technologies.

ACHIEVEMENTS

- Model mania 2k23, Narula institute of technology, a working model competition, position: 1st
- Project on waste management, organized by NSS unit in association with IE(I) student chapter, Computer Science and engineering, Narula institute of technology, position: 1st
- Technical Quiz Competition, SciQuest, 2K24, Narula Institute of Technology, Position: 3rd
- Participated in the round 1 of SIT ICOE Hackathon 2024 held on 11th April, 2024 and was part of the team from Narula Institute of Technology that secured Rank 123. Drive link: [Certificates Link](#)