ARYAN SETHI

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EDUCATION

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree/Exam** | **Year** | **Institute** | **CGPA or %** |
| B.Tech. Computer Science and Engineering | 2021 –2025 | Vellore Institute of Technology, Vellore | 8.73 |
| CBSE (Class XII) | 2021 | Delhi Public School Rohini, Delhi | 95.4 |
| CBSE (Class X) | 2019 | Delhi Public School Rohini, Delhi | 94.8 |

WORK EXPERIENCE

**Data Science Summer Intern, DP World, Bengaluru**

Jun 2024 – Jul 2024

* Developed and implemented advanced vehicle routing algorithms, resulting in efficient route planning and cost savings
* Conducted industry research and analyzed large datasets to optimize logistics, providing actionable insights that improved operational efficiency and strategic planning

Data Engineering Internship Trainee, Airtel, Gurugram  
Nov 2023 – Dec 2023

* Created ETL jobs and processed data using SQL, PySpark, and Python, optimizing data workflows
* Worked with Spark basics, Hadoop HDFS, and Unix operations, with a strong focus on SQL and database management

**Data Analytics Intern, National Informatics Centre (NIC), Govt. of India, New Delhi**  
Aug 2023 –Aug 2023

* Developed an analytical data model to identify trends and patterns for predictive analysis of traffic offenses using machine learning
* Communicated actionable insights for policy-making and enforcement strategies to reduce offenses

ACADEMIC PROJECTS

**Explainable AI Approach to Heart Disease Prediction (Jul 2023 – May 2024)**

* Increased output accuracy of the Random Forest algorithm from 85% to 96% by tuning hyper-parameters and data augmenting
* Applied Explainable AI techniques to interpret parameters and enhance model transparency and trustworthiness

**Bias Aware Income Range Predictor (Jun 2023** **– Jun 2023)**

* Developed a machine learning model to predict income ranges, achieving 89% accuracy by addressing biases and computing weights during data preprocessing
* Utilized Tableau for data visualization and conducted statistical tests to identify patterns related to racial and gender biases

ACADEMIC ACHIEVEMENTS AND AWARDS

* Earned the **Microsoft Azure Data Fundamentals** certification with a score of 92.5%
* Research paper titled “Explainable AI Approach to Heart Disease Prediction” **published by IEEE**
* **Silver medalist** for being a five-year scholar, showcasing academic excellence through classes VI-XII

POSITIONS OF RESPONSIBILITY

Data Analytics/AI Lead, Kyure (Jan 2024 – Mar 2024)  
Kyure - A startup under pre-incubation at VIT Technology Business Incubator (VITTBI)

* Recruited, led, and managed a team of four to integrate features into a machine learning model that pre-diagnoses medical diseases for a SaaS platform
* Strategized and developed statistical models to enhance decision-making processes

Senior Core Committee Member, IEEE Computer Society (Mar 2022 – Mar 2024)

* Organized large-scale events such as Hack4Impact, Technical Treasure Hunts and Speaker sessions
* Facilitated new member induction through sessions aimed at familiarizing them with the technical divisions of the club

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

* **Captained** a 5-person football team to the semi-finals (out of 100+ teams) in VIT Fresher’s Tournament in 2022
* **Won** the asset management simulation during a workshop conducted by Bulls & Bears Club, VIT in collaboration with Financial Markets Institute, Fmi in 2021
* **Selected** for Regional German Youth Camp in Sri Lanka conducted by Goethe Institute in 2019

OTHER INFORMATION

* **Tools**: MS Office Suite: Word, Excel, PowerPoint; BI Tools: Tableau
* **Coding Languages**: Python, SQL, R, C/C++, Java, Web Dev Basics (Flask, HTML, CSS, JavaScript)
* **Hobbies:** Sports (Football, F1, Cricket, Basketball), Hiking, Share Markets/Simulated Trading
* **Languages:** Hindi (Native), English (Fluent), German (Certified A2 level)