

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 (VITBtI)

- 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)