EDUCATION AND SCHOLASTIC ACHIEVEMENTS

PROGRAM	INSTITUTION	% / CGPA	YEAR
M Tech in **Data Science**	Indian Institute of Technology Madras, India	7.43	2024*
B Tech (Honours) in **Electronics and Computer Science Engineering**	Kalinga Institute of Industrial Technology, India	9.22	2022
XII (EUEE)	Kurfa Chele Preparatory School, Ethiopia	60.85%	2016
X (EGSECE)	Kurfa Chele Secondary School, Ethiopia	87.5%	2014

- Completed an **Honours degree** in Electronics and Computer Science Engineering from KIIT University, Bhubaneswar, India
- Attained a **full scholarship of 10K USD** per year based on CGPA, bestowed by the Ethiopian Ministry of Education
- Received a f**ull scholarship** from IIT Madras for enrollment in the **International Interdisciplinary Master Program (I2MP)** in Data Science

COURSEWORK

Web Technology	Software Engineering	Computer Organization and Architecture
Data Structures & Algorithms	**Computer Network**	**Database Management system (DBMS)**
Transaction Processing system	Software Defined network	Object Oriented Programming

SKILLS

Languages and tools	Software
Java, HTML, CSS, SPSS, Power BI, MS Excel, Google Cloud Platform	Android Studio, Google Colab, GitHub, Visual Studio

CERTIFICATIONS

Web development	Core Java	Entrepreneurship I and II
Google Data Analytics Professional Certificate	Machine Learning Foundations	AI For Everyone

PROFESSIONAL EXPERIENCE

Business Analyst Finlatics Internship *(Jun 2023 - July 2023)*	***Employed Microsoft Excel and Power BI to Foster Data-Driven Decision-Making*** • Conducted **case studies** for industry leaders such as Airbnb, Procter & Gamble, Clearfit and Yes Bank • Leveraged expertise in **data visualization** using **Power BI** to extract valuable insights from complex datasets • Contributed to **informed decision-making and business growth** by enhancing business strategies
Core Java Internshala Training (*May 2021 - Jun 2021)*	• Utilized Core Java skills to design visually attractive and interactive **graphical user interfaces (GUIs)** with **multimedia support**, **scene graph management**, **CSS styling**, and **event handling** • Achieved a perfect score of 100% in the final exam of my training, which covered the fundamental concepts and practical implementation of object-oriented programming • Demonstrated practical application of learned concepts by developing a **Connect4 game app** using **JavaFX libraries**
Energy Mentor IIT Ropar Internship *(May 2023 - July 2023)*	***Collaborated with a 5-member team to develop a digital twin for a hybrid energy system*** • Engineered a **hybrid model** that integrated Solar PV, Wind turbine, Fuel cell and Propane as energy sources • Conducted processing of **Energy Demand data** and applied **PCA** to achieve dimension reduction on the dataset • Implemented **Particle Swarm Optimization** as the optimization algorithm to determine the optimal energy production from a diverse range of sources, resulting in a significant **33% reduction in energy waste**

PROJECT EXPERIENCE

Detection of COVID-19 (B. Tech. Project Guide: Dr. T. Kar)	• Developed a COVID-19 detection project using advanced **deep learning models** such as **VGG19** and **ResNet50** • **Analyzed radiological images** to accurately detect COVID-19 using the developed deep learning models • Achieved **98% accuracy** in COVID-19 detection through the implementation of 5 distinct Deep Learning models • Demonstrated **remarkable performance** of VGG19 out of the 5 implemented models.
Health Insurance Sales (Course project)	• Developed and implemented a predictive analytics model for **health insurance sales** • Utilized various machine learning algorithms like **Logistic Regression, Random Forest, SVM, XGBoost** • Conducted extensive experimentation and analysis to identify Logistic Regression as the most effective algorithm
Stock Market Analysis (Course project)	• Analyzed and trained the **stock market dataset** using machine learning algorithms for decision-making • Utilized various ML algorithms including **Random Forest and SVM,** to generate predictive insights • Demonstrated proficiency in **data manipulation, feature engineering, EDA and model evaluation**
House price Prediction (Kaggle Contest)	• Participated in predicting house prices using **Linear Regression**, analyzing different features • Conducted **data preprocessing**, **EDA**, **model selection**, **hyper parameter tuning** and **cross-validation**
Credit Card Fraud Detection	• Utilized **logistic regression** with **SMOTE over-sampling** for credit card fraud detection • Demonstrated effectiveness in accurately identifying positive cases and **minimizing the risk** of overlooking • Emphasized the importance of careful data preprocessing and algorithm selection for achieving balanced and accurate predictions

EXTRA CURRICULAR ACTIVITIES

- **Volunteering:** Actively contribute to philanthropy as a member of Art of Giving since March 2023
- **Interests:** Enjoy reading a wide array of books, from fiction to non-fiction
- **Sports**: Participated in the Ethiopian football tournament at KIIT University
- **Skills:** Skilled in mobile repair and troubleshooting training at Central Tool Room and Training Center, Bhubaneswar, Odisha

*-Ongoing Course, [EUEE]Ethiopian University Entrance Examination, [EGSECE] Ethiopian General Secondary Education Certificate Examination