



## LOKESH SATHISH

Course : **B.E.**, Electronics & Instrumentation Engineering, 2026

Email : f20220732@hyderabad.bits-pilani.ac.in

Mobile : 9618345152

CGPA : 7.71



### ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	FIITJEE	Telangana Board of Intermediate Education (TSBIE)	98.4 %	2022
CLASS X	Epistemo Vikas Leadership School	CBSE	93.6 %	2020

Subjects / Electives	Database Management, Computer Programming, Data Structures and Algorithms, Machine learning, Operating Systems, Object Oriented Programming, Probability and Statistics, Artificial Intelligence
	Artificial Intelligence, Operating Systems, C++ Language, Python, C Programming, Data Science, HTML + CSS, Data Structures, React.js, Machine Learning, Java, Bootstrap, Node.js, Database Systems, SQL, PL/SQL

### SUMMER INTERNSHIP / WORK EXPERIENCE

#### Machine Learning Intern, Finlatics (Fincrux Technologies LLP)

Jun 2024 - Jul 2024

- Analyzed Facebook Marketplace data to extract actionable insights on optimal posting times and content types, and performed engagement clustering using K-means (**silhouette score: 0.81**).
- Built and validated a regression model for advertising sales prediction, achieving an **R\_Square score of 0.87** and identifying TV advertising as the most impactful feature.
- Applied end-to-end data science workflows: data cleaning, feature engineering, statistical analysis, model evaluation, and business insight generation using Python and scikit-learn.

#### Product Manager - Competitor Analysis, TLE Eliminators

May 2024 - Jul 2024

- Conducted competitor analysis to evaluate strengths, weaknesses, opportunities, and threats in the EdTech industry.
- Analyzed market data to benchmark key performance indicators and assess the competitive landscape.
- Utilized surveys, SWOT analysis, and data analytics to deliver actionable market insights.

### PROJECTS

#### Motor Insurance Claim Status Prediction - Machine Learning

Feb 2025 - May 2025

- Built predictive analytics solution for motor insurance claim classification using real-world data with advanced preprocessing, feature engineering, and custom class weighting to handle extreme imbalance
- Implemented and compared multiple ML models (Random Forest, SVM, ensemble methods, neural networks, XGBoost) achieving 90%+ accuracy with robust cross-validation
- Conducted comprehensive analysis including feature importance evaluation, model limitations documentation, and improvement recommendations using Python and scikit-learn

#### Real-Time User Moderation and Message Filtering System Using IPC - Operating Systems

Feb 2025 - Mar 2025

- Developed multiprocess communication network for real-time chat moderation using message queues and pipes to coordinate between user processes and moderator modules
- Implemented automated content filtering system that scans messages for forbidden words, tracks user violations, and enforces moderation policies across multiple concurrent processes
- Demonstrated advanced C programming skills in interprocess communication, process coordination, and system-level network programming

#### Automated Timetable Generator for University Scheduling - Object Oriented Programming

Jan 2025 - Apr 2025

- Developed comprehensive university timetable management system with manual and automatic schedule generation, conflict detection for classrooms/courses/instructors, and CSV import/export functionality
- Implemented intelligent scheduling algorithms with auto-suggestion features, institutional policy adherence (mandatory gaps, time preferences), and multiple timetable instance management
- Built full-stack application using Java Swing for frontend interface and core Java for backend logic, enabling manual editing and optimal timetable generation

#### Checkers Game AI with Advanced Search Algorithms - Artificial Intelligence

Aug 2024 - Oct 2024

- Developed a Python-based checkers AI implementing multiple search algorithms, including Minimax and Alpha-Beta Pruning
- Designed and integrated advanced heuristic evaluation functions to assess board states and guide optimal move selection
- Enhanced AI decision-making by refining search depth and pruning strategies, achieving efficient and competitive gameplay performance

### CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
Artificial Intelligence and Machine Learning	LNT Edutech
Full Stack Web Development	Udemy
Data Structures and Algorithms	GeeksforGeeks