

Nookala Tejdeep

+91-9752520066 | linkedin.com/in/tejdeepn | github.com/Tx-3011

EDUCATION

Manipal Institute of Technology

Bangalore, India

Bachelor of Technology in Computer Science and Engineering

2023 – 2027

- **Relevant Coursework:** Data Structures & Algorithms (DSA), Database Management (SQL), Operating Systems, Probability and Statistics, Computer Networks.

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Scikit-Learn), Java, C, SQL (MySQL), JavaScript (ES6+)

Developer Tools: Git/GitHub, Docker, Jupyter Notebooks, Linux, Flask, React, MongoDB

Core CS: Data Structures & Algorithms, Object-Oriented Programming (OOP), REST APIs

ML/Data: Random Forest, Exploratory Data Analysis (EDA), Feature Engineering, Data Visualization

PROJECTS

PhishShield – AI-Powered URL Classification Tool | *Python, Flask, Google API, Gemini*

- Engineered a real-time URL detection system utilizing **Flask** and **Gemini LLM APIs** to identify phishing attempts.
- Implemented a data pipeline for lexical analysis, extracting features such as entropy and domain structure.
- Developed a **RESTful API** backend and integrated it with Google Safe Browsing for multi-layered security validation.

Network Intrusion Detection System (NIDS) | *Python, Scikit-learn, Random Forest*

- Analyzed 125,000+ network connection records to classify traffic as malicious or benign using **Random Forest**.
- Automated data cleaning and pre-processing workflows including label encoding and feature scaling.
- Achieved high detection accuracy through **hyperparameter tuning** and performance evaluation using F1-scores.

LogVisualizer – Real-time Server Log Analytics | *JavaScript, React, Node.js, Chart.js*

- Built a web-based dashboard to visualize server traffic patterns and error distributions from uploaded log files.
- Developed parsing logic to convert unstructured log data into structured JSON format for frontend rendering.
- Implemented dynamic data visualizations using **Chart.js** to track HTTP status codes and response time latency.

CERTIFICATIONS

Tools of the Trade: Linux and SQL – *Google*

Foundations of Cybersecurity – *Google*

POSITIONS OF RESPONSIBILITY

Media Head - Literature Society

MIT Bangalore

Analyzed engagement metrics to lead content strategy, resulting in a 40% increase in reach.

2024 – Present