Tanishq Korgaonkar

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EDUCATION

Manipal Institute of Technology **Bengaluru, India**
B.Tech in Cybersecurity; CGPA: 8.5 *2023 – Present*

TECHNICAL SKILLS

Languages: JavaScript (TypeScript), Python, C++, Java, HTML, CSS

Frontend: React, Tailwind CSS, Material UI, Zustand, Axios, Responsive Design, Figma Prototyping

Backend: Node.js, Express.js, REST APIs, JWT Authentication, CRUD Operations

Database: MongoDB (with Mongoose), MongoDB Atlas, basic SQL

AI/ML Tools & Concepts: SVM, Linear & Logistic Regression, Random Forest, Clustering (K-Means), Decision Trees

NLP & LLMs: Text Preprocessing, Feature Extraction (TF-IDF, BoW), LangChain, RAG Pipelines, Prompt Engineering

Libraries/Frameworks (ML): NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

Developer Tools: Git, GitHub (branching, PRs), Postman, Figma

Mathematical Foundations: Matrices, Vectors, Statistics, Calculus, Probability

ALGORITHMIC PROBLEM SOLVING

Regularly practice coding problems to strengthen logical thinking and problem-solving skills.
Solved over **100+ problems** on platforms like **LeetCode** and **GeeksforGeeks** to build consistency and algorithmic fluency.

PROJECTS

Frontend Gym Application – *ToughFit Gym* **View Project — GitHub**

- Developed a responsive and interactive gym management platform using **React** and **Material UI**.
- Added GIFs for better training understanding and linked relevant YouTube video resources for better guidance.
- Deployed the application at ToughFit Gym.

Web Scraping for Football Headlines **GitHub**

- Used **Selenium WebDriver** with **Safari** to scrape football headlines from **The Sun's** website.
- Extracted titles, subtitles, and links of articles by navigating through specific HTML containers.
- Stored the extracted data in a structured format and saved it as a CSV file for further analysis.
- Utilized **Python, Selenium, and Pandas** for data extraction and file handling.

Diabetes Prediction – *AI/ML Model* **GitHub**

- Implemented an **SVM classifier with a linear kernel** to predict diabetes using patient health metrics.
- Preprocessed data by standardizing features and splitting it into training and testing sets using stratified sampling.
- Achieved 79.15% accuracy on the training data and 72% accuracy on the testing data.
- Utilized **Python, NumPy, Pandas, Scikit-learn, Matplotlib** for analysis and visualization.

Parkinson's Disease Detection **GitHub**

- Implemented an **SVM classifier with a linear kernel** to detect Parkinson's disease using biomedical voice data.
- Preprocessed data by removing non-relevant columns, handling missing values, and standardizing features.
- Split data into training and testing sets using stratified sampling for balanced classification.
- Achieved 90.3% accuracy on the training data and 94.8% accuracy on the testing data.
- Utilized **Python, NumPy, Pandas, Scikit-learn, Matplotlib, and Seaborn** for analysis and visualization.

CERTIFICATIONS

Ordered Data Structures – University of Illinois Urbana-Champaign (Coursera)

Introduction to Java and Object-Oriented Programming – University of Pennsylvania (Coursera)

Foundations of Cybersecurity – Google (Coursera)

Introduction to Network Automation – Cisco Learning and Certifications (Coursera)