

# Lakshan D

**Email:** lakshan2004d@gmail.com | **Phone:** +91 7892294582

**LinkedIn:** <http://linkedin.com/in/lakshan-d-231b0b2b9>

**Leetcode:** <https://leetcode.com/u/Lukky4/>

**GitHub:** <https://github.com/lukky44-bit>

## CAREER OBJECTIVE

Aspiring AI Engineer with strong Full-Stack and MERN development skills, proficient in Python and C++, with solid knowledge of Machine Learning, Deep Learning, and NLP concepts. Skilled in analyzing datasets and conceptually building predictive models, as well as developing intuitive, interactive UIs to showcase insights and AI/ML projects. Adept at integrating APIs and automation scripts to deliver intelligent, end-to-end solutions. Passionate about applying data science and software engineering expertise to solve business challenges and enhance user experiences.

## EDUCATION

B-TECH CSE-AIML Reva University Bangalore	CGPA-9.43	Pursuing 7th semester
PUC PCMB ST CLARET PU COLLEGE Bangalore	92.7 %	2022
10th ICSE ANTHONY CLARET SCHOOL Bangalore	87. 1%	2020

## SKILLS

**Programming Languages:** C++, Python, JavaScript, Java

**Web Development:** React.js, Node.js, Express.js, MongoDB, HTML

**Tools and Platforms:** Git, GitHub

**Libraries and Frameworks:** TensorFlow, scikit-learn, Requests

**Soft Skills:** Leadership, Teamwork, Problem-Solving, Time Management

**DataBases:** MySQL, MongoDB

## UNIVERSITY PROJECTS

### AI-Powered Symptom Checker with LLM Integration

- Built a deep learning-based symptom checker using a **Keras** model for disease prediction and integrated it with a responsive web interface (**React.js, Express.js, MongoDB**).
- Developed backend APIs with **Flask** and MongoDB for structured medical data management, delivering accurate disease descriptions, precautions, and severity analysis.
- Enhanced system intelligence with **Gemini LLM** for answering health queries and providing emergency service suggestions, enabling real-time diagnostic support.

### AI-Powered Course Recommendation System with LLM Integration

- Leveraged Sentence-**BERT** for semantic search to recommend courses based on natural language user queries.
- Built a full-stack, API-driven system using **Flask**, Node.js/Express, and MongoDB for seamless **data management and scalability**.
- Developed a responsive front-end (HTML, CSS, JS, React.js) and integrated Gemini LLM for intelligent chat-based guidance and personalized course recommendations

### DDoS Attack Detection and Mitigation System Using Machine Learning

- Captured real-time network traffic using **Tshark/Wireshark** and preprocessed it (feature extraction, cleaning, scaling) for machine learning analysis.
- Trained multiple models (**Random Forest, KNN, GaussianNB**) and deployed Random Forest for real-time packet classification, achieving **96.88% accuracy**.
- Developed a scalable system capable of **detecting and mitigating** DDoS attacks dynamically, improving network security in modern, real-time environments.

## CERTIFICATIONS

**MERN Web Development**-Udemy

**SQL Intermediate**-HackerRank

## ACHIEVEMENTS

- Won a university-level hackathon, building a full-stack app within 24 hours.
- Earned the “Keen Observer” title in 10<sup>th</sup> grade