Md Aftab
Roll No.:CS22B017
Computer Science and Engineering
National Institute Of Technology Arunachal Pradesh

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+91-9142980773
Linkdin
GitHub | Leetcode

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	National Institute of Technology Arunachal Pradesh	8.16 (Current)	2022-26
Senior Secondary	School	78.0%	2021
Secondary	School	84.6%	2019

EXPERIENCE

- **North East Renewable Energy Research Lab** *Dec 2024 - Jan. 2025*
  Machine Learning Intern Guwahati
  - Collabroted with research team to work on Biodegradable Waste Classification using CNN to classify Organic and Recyclable Waste.
  - Perform variious Classification Model including CNN,SVM,Random Forest And Gain 96% accuracy on training data and around 94% accuracy on testing data

PROJECTS

- **Silver Heights Engineering Consultants** *May 2023 - Jul 2024*
  React.js, Tailwind, Javascript, Firebase, Hostinger, vercel, MongoDB.
  - Team project for a client, for a Dubai based Engineering consultant company with CRUD operations.
  - Developed a website where user can register and get expert assistance for building several infrastructure.

- **Invoice Generator WebApp.** *jan 2023 - may 2023*
  React js, JavaScript, Vercel, Tailwind css, Headless ui, js pdf, html-to-image.
  - Enabled users to input cashier and customer names, add items, specify quantities, and input prices
  - Improved user efficiency by automating invoice calculations, reducing manual errors by 90%.
  - Implemented features to calculate tax and discount percentages, automatically computing the total amount.

- **AI Powered Drowsiness Detection System** *jan 2025 - may 2025*
  Python, Numpy, Pandas, OpenCV, PyTorch, YOLOv5.
  - Led development of a real-time driver drowsiness detection system using PyTorch and YOLOv5, achieving 97% accuracy and pushing the boundaries of computer vision in road safety.
  - Engineered an instantaneous alert mechanism, providing warnings every 5 seconds upon detecting fatigue signs, demonstrating potential to significantly reduce accidents through rapid response technology.
  - Successfully tested and validated the system's performance under real-world conditions during a competitive hackathon, showcasing its practical applicability and effectiveness.

ACCOMPLISHMENTS

- **CodeChef Starter 164 (Div 4)**:Secured a **Global Rank of 239** among **30,000+ active participants**.
- **CodeChef Starter 160 (Div 3)**:Secured a **Global Rank of 1095** among **35,000+ active participants**.
- **Technoxian 2024**:Secured a **Global Rank of 16** in *World Robotic Championship (Technoxian)* among **200+ participants**.
- **Problem Solving**:Solved **500+ problems** across platforms like *CodeChef, LeetCode, and Codeforces.*

TECHNICAL SKILLS

- **Programming**:Python, C/C++, Java
- **Developer Tools**:Git/GitHub, VS Code, Jupyter Notebook, PyCharm, Bootstrap.
- **Web Development**:React.js, JavaScript, HTML, CSS, Tailwind CSS.
- **AI And Machine Learning**:Numpy, Pandas, TensorFlow, PyTorch, OpenCV, YOLOv5, CNNs,ANN,RNN.

CERTIFICATION COURSES

- **Mastering Data Structures and Algorithms Using C and C++** *Dec 2022 - Jan 2023*
  Udemy
- **Data Science And Machine Learning Fundamentals** *jun 2023 - may 2024*
  Udemy

POSITIONS OF RESPONSIBILITY

- **Secretary**,Secretary,Coding Pundits, Coding Club- NIT AP *Apr. 2024 - june. 2025*