# ASIF ABDUL KADAR A

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## Objective:

**Full stack Developer & AI Enthusiast** with experience in Python, Java, and web development. Built scalable and intelligent solutions including an AI-powered crop protection system and stock analysis tools. Passionate about full-stack development using modern stacks like React, Firebase, and MySQL. Looking to leverage my backend and frontend development skills in creating platforms such as **ATS**, **job portals**, and **recruitment platforms** that enhance **candidate tracking** and hiring processes.

## Area of Interest:

Artificial Intelligence & Machine Learning

Prompt Engineering

Java Development& Software Engineering

## Education:

**Bachelor of Technology in Artificial Intelligence and Data Science** | Dr. Mahalingam College of Engineering and Technology, Pollachi June, 2026 | CGPA: 7.2(till 5$^{th}$ Sem)

**HSC** – Veveaham Boys Matriculation Higher Secondary School, Dharapuram |

May, 2022 | 67%

**SSLC** - RKR Grks  Matriculation Higher Secondary School, Udumalpet |

May, 2020 | 87%

## Skills:

### Technical Skills:

- **Programming Languages:** Java, Python
- **Tools & Technologies:** Git & Git hub**,** Excel, Power BI
- **Tech Stack:** Python, YOLOv8, OpenCV, Firebase, MySQL.

### Soft Skills:

- **Strong Communication:** Excellent verbal and written communication.
- **Problem-Solving:** Analytical Thinking & Problem-solving.
- **Adaptability & Flexibility –** Eager to learn, embrace new challenges, and thrive in a dynamic setting.

## Projects:

**Li-Fi-Based Wireless Audio Transmitter (**jan-2023)

- Developed a Li-Fi-based audio transmission system leveraging visible light communication, achieving higher data security and 2x faster transmission than conventional RF methods.

**Stock Market Prediction using for Yahoo**

- Analyzed live stock data using **Python**, Pandas, and Matplotlib to identify trends and volatility patterns, enabling data-driven insights into tech stock behavior.
- Developed forecasting models (Moving Averages, Linear Regression) with over **75% short-term accuracy**, and deployed interactive dashboards using **HTML/JS** to visualize trends.

**IOT technology: Obstacle Avoidance Lab Attendant Robot** (Mar - May 2024)

- Designed and programmed an IoT-based robot using **ultrasonic sensors** and **Arduino** to autonomously navigate lab spaces via line following and obstacle avoidance.
- Integrated a basic **face recognition module** using **OpenCV** to identify individuals and log attendance, simulating deployment in lab environments.

**AI-Powered Smart Bird Deterrence System for Crop Protection**

- Designed an **AI-powered real-time detection system** using **YOLOv8** to recognize bird presence and trigger deterrent actions (ultrasonic and visual alerts), reducing crop disturbances by 60%.
- Deployed trained YOLOv8 models with **over 80% accuracy**, showcasing ability to build production-grade AI systems with real-time inference and scalable data logging.

**Internships:**

**Python & Machine Learning Intern | Frenzo Technology, Coimbatore (June - July 2024)**

- Involved in real time machine learning projects, acquired expertise and fundamental skills in python programming and machine learning.

**Python Devoloper | Codesoft (Sep – Oct2024):**

- Developed mini-projects and problem-solving scripts using core Python concepts including OOP, file handling, and data structures.
- Completed daily and weekly coding challenges that enhanced logical thinking and programming fluency.

**Certifications:**

- Python for Data Science (certificate): Cognitive Class (IBM)
- Soft Skills: Nptel.

**Achievements:**

- **District Hockey Player** & **NCC Sergeant** (Leadership Role).
- **1st place in Project Expo** for "Wireless Audio Transmitter via Laser."
- **Won multiple inter-college competitions** in Data Science & AI projects.