

# Aditya Singh Rawat

New Delhi, 110046  
+91 9810792947  
aditya.deku1712@gmail.com

## EDUCATION

### SUMERMAL JAIN PUBLIC SCHOOL, 10th

APRIL 2020 - MARCH 2021

### SUMERMAL JAIN PUBLIC SCHOOL, 12th

APRIL 2022 - MARCH 2023

### IIT MADRAS, BSc. in DATA SCIENCE and PROGRAMMING

February 2024 - Current

## CERTIFICATION

### ARTIFICIAL INTELLIGENCE — ACME GRADE

MATPLOTLIB, PANDAS, DATA SCIENCE

DATA STRUCTURE ALGORITHM

### PROGRAMMING WITH PYTHON - CS50(HARVARD UNIVERSITY)

PYTHON BASICS

CONDITIONALS, LOOPS, DEBUGGING, STATISTICS, OBJECT ORIENTED PROGRAMMING, LIBRARIES, REGULAR EXPRESSIONS, FILE HANDLING

## INTERNSHIP

### ARTIFICIAL INTELLIGENCE — ACME GRADE

OCT 2023 - DEC 2023

IMPROVED MY SOFT SKILLS, LEARNT A LOT ABOUT SYSTEM DESIGN

CODE IMPROVISATION, DATA STRUCTURE ALGORITHM, SYSTEM DESIGN, COLLABORATING WITH A TEAM, WORKING WITH DATA

### AI INTERN - Element 5 AI

OCT 2024 - DEC 2024

MADE AN AI MODEL TO REFACTOR AND IMPROVE CODE DURING PRODUCTION

CODE IMPROVISATION, AI MODEL TRAINING, PYTHON PROGRAMMING, COLLABORATING WITH A TEAM, WORKING WITH DATA

## SKILLS

Python (Intermediate)

SQL (Advance)

Django and Flask (Basic)

Html and CSS (Intermediate)

Pandas,

Matplotlib(Intermediate)

Communication, Collaboration

Adaptability, Problem Solving

## LANGUAGES

ENGLISH - ADVANCE

HINDI - NATIVE

## PROJECTS

**AI DISCORD BOT** — Built an intelligent chat bot for Discord using the `discord.py` library and the **LLaMA 3.2** language model;

Integrated natural language understanding to allow the bot to engage in human-like conversations and answer queries contextually;

Implemented custom command handling, user interaction logging, and prompt formatting for accurate and dynamic responses;

Optimized model inference for low-latency performance in real-time Discord chats;

Designed for scalability with support for multi-server deployment and customizable behavior per Discord server.

**TELEGRAM WEB DAPP** — Developed a decentralized Telegram Web App integrated with a custom blockchain staking model;

Utilized **Web3.py** to interact with smart contracts, enabling users to stake tokens directly from the Telegram interface;

Designed a seamless user experience by combining Telegram's WebApp API with secure wallet authentication and blockchain transactions;

Implemented backend logic to manage staking, rewards distribution, and real-time balance tracking on the blockchain;

Ensured data integrity and transaction reliability through asynchronous processing and blockchain event monitoring.

**MAXXNET** — Designed and deployed an NFT marketplace using Polygon Mainnet with custom smart contracts;

Developed backend infrastructure with Python and Web3.py; integrated MySQL for metadata and user data storage;

Implemented NFT minting, transfer automation, and real-time blockchain monitoring.

**CUSTOM PROGRAMMING LANGUAGE** — Designed and implemented a whimsical, interpreted programming language inspired by Python, featuring custom syntax with *desi* phrases and emojis;

Developed a custom lexer and interpreter in Python to tokenize and execute `.rot` files, supporting variables, conditionals, loops, functions, and user input;

Ensured a safe evaluation environment for executing user-defined scripts.

**Cold-Mailer** – Developed a Python-based automation tool to streamline the process of sending personalized cold emails to HR representatives across various companies;

Designed the script to read recipient details (name, email, company) from a CSV file and customize email content using templated messages;

Implemented functionality to attach resumes to each email and send them via an SMTP server, enhancing efficiency in job application processes;

Utilized Python's standard libraries, eliminating the need for external dependencies, ensuring ease of deployment and maintenance.