

# Mohammad Aadil Sehrawat

Associate Data Engineer

aadilsehrawat@gmail.com

8851551033, 8010550818

New Delhi, India

linkedin.com/in/aadilsehrawat

github.com/aadilsehrawat

## EDUCATION

- B. Tech in Computer Science & Engineering**  
Amity University  
07/2019 - 06/2023 Noida

## PROJECTS

- JellyBot - Search & Rescue (08/2022)**
  - LSTM-based Drowning Detection Algorithm that distinguishes drowning individuals from other objects with 90-95% certainty
  - RRT-based Path Planning Algorithm ensuring 99% obstacle detection and avoidance along the bot's defined path
- Encryption Techniques (12/2021)**
  - Ciphering and De-ciphering text using multiple variables. Executed these operations on locally stored files using C++
- Spam Mail Detection (06/2021)**
  - Simple spam detection using Text Clustering Mechanism. Dataset used – SMS dump with over 5500+ examples - Using Python, Tkinter, pandas, nltk

## WORK EXPERIENCE

- Associate Data Engineer**  
Shell India  
08/2023 - Present Bengaluru
  - Tasks**
    - Collaborated in a team of 5 to efficiently operate and maintain an e-mobility (EV) portfolio
    - Resolved pipeline issues, significantly reducing the error rate by an average of 75% per pipeline
    - Streamlined manual data ingestion through automation, cutting down manual efforts by 50%
- Full Stack Developer Intern + Full Time**  
Prospeer  
05/2022 - 07/2023 Gurugram  
AI-Driven Hiring Platform
  - Tasks**
    - Implemented video interview interface using webRTC from scratch
    - Improved UX by reducing the loading time upto 50%
    - Increased User Retention by 25%, incorporating async Js functions which were previously synchronous

## SKILLS

Languages: C, C++, Python

Front-End: HTML/CSS + JavaScript, Vue.js

Databases: PostgreSQL (SQL), MongoDB (NoSQL)

Back-End: Django, Flask

AI Tools

## ACHIEVEMENTS

- Rank-1 in Smart India Hackathon (SIH) (2022)**  
Secured 1st place nationally in the Smart India Hackathon, organized by the Government of India with a problem statement from DRDO. The hackathon features teams competing on problem statements from different Indian ministries.
- Gold Medal in International Mathematics Olympiad and Silver Medal in International Science Olympiad (2016)**  
Achieved School Rank 1 and Global Rank 430 in the 9th International Mathematics Olympiad and Achieved School Rank 2 in the 9th International Science Olympiad (organized by Science Olympiad Foundation)

## OTHER CERTIFICATES

- Networking Essentials (09/2021)**  
Offered by Cisco
- Introduction to Cybersecurity (08/2021)**  
Offered by Cisco
- The Fundamentals of Digital Marketing (06/2021)**  
Offered by Google (Digital Garage)

## LANGUAGES KNOWN

- English  
Native or Bilingual Proficiency
- Spanish  
Limited Working Proficiency
- Hindi  
Native or Bilingual Proficiency

## OTHER FIELDS OF INTERESTS

- Generative AI
- Web3
- E-Gaming
- IoT
- Mobile Application Development
- Cyber Security
- Digital Marketing - SEO & SEM
- Cloud Computing