

# ADNAN ZEYA

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LinkedIn · GitHub

## EDUCATION

### SRM Institute of Science and Technology

B.Tech in Computer Science and Engineering

CGPA: 8.67 / 10.00

Chennai, India

2023 – 2027

## TECHNICAL SKILLS

- **Languages:** C++, Python, C, JavaScript, SQL.
- **Libraries & Frameworks:** React.js, Node.js, REST APIs, Pandas, NumPy, Scikit-Learn, NLTK, Matplotlib.
- **Cybersecurity :** TCP/IP, Packet Analysis, Wireshark, Burp Suite, Nmap, OWASP Top 10, Linux Security.
- **Tools & Platforms:** AWS (EC2), Docker, Podman, Linux (Bash Scripting), Git/GitHub.
- **Core Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs), DBMS, Operating Systems, Networking.

## PROJECTS

### Real-time Cyberbullying Detection System | *Python, NLP, Scikit-Learn*

[Link](#)

- Developed a high-performance NLP pipeline to classify and filter toxic content from live chat streams in real-time.
- Implemented **TF-IDF vectorization** for efficient feature extraction from unstructured text data.
- Achieved **98% classification accuracy** through rigorous data preprocessing and hyperparameter tuning.
- Designed the system architecture to handle high-throughput data streams suitable for social media moderation.

### AI-Powered Resume Scoring System | *Python, NLP (TF-IDF), Scikit-learn*

[Link](#)

- Built a resume scoring pipeline using **TF-IDF NLP**, OneHotEncoder, and StandardScaler within a ColumnTransformer.
- Achieved **97.1% accuracy ( $R^2=0.9708$ )**, MAE=2.44 and RMSE=3.83 using RandomForestRegressor.
- Integrated a lightweight **FastAPI** backend for real-time scoring and feedback delivery.

### Fire Alarm Robot 2 (IoT Project) | *C++, Arduino, Sensors*

[Link](#)

- Engineered an autonomous robot capable of detecting fire signatures using flame sensors and navigating complex environments.
- Programmed low-level control logic in **Embedded C++** to interface with motor drivers and extinguishing mechanisms.
- **Awarded Best Project** at TechKnow 2023-24 for effective hardware-software integration.

## ACHIEVEMENTS

- **5-Star Gold Badge:** Problem Solving & C++ on HackerRank.
- **Certificate of Appreciation:** SRM ACM Conclave for technical contribution (Proposed "Smart Toothbrush" concept).
- **2nd Position:** Bajaj FinServ Ideathon, SRM IST (2024).
- **Best Project Award:** TechKnow 2023-24 for IoT/Robotics innovation.

## CERTIFICATIONS

- **NPTEL:** Introduction to Machine Learning (IIT Madras).
- **AWS:** Certified Cloud Practitioner (In Progress).
- **Cybersecurity:** Foundation Course (Google/Coursera).