

# MD. SUHAIB ARIF SIDDIQUI

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## OBJECTIVE

Detail-oriented and adaptable software developer with strong communication and problem-solving skills, proficient in developing scalable and efficient APIs using FastAPI, Flask, and Django. Proven track record of delivering reliable and robust solutions in cloud environments such as AWS, with a commitment to quality and collaboration in team settings. Skilled in full-stack development, creating intuitive and user-focused frontend interfaces while building secure, efficient backend systems. Highly motivated, with a strong work ethic and an eagerness to learn and innovate to meet evolving project needs.



## EXPERIENCE

- Transloom** April 2024 - August 2024  
*Data Scientist* Hyderabad, India
  - Developed a **RESTful API** for **Natural Language Processing (NLP)** tasks, utilizing **FastAPI** and **PyTorch** for advanced **Machine Translation** models.
  - Designed a high-performance algorithm for **Image and Document Translation**, incorporating **multi-threading** to enhance processing speeds.
  - Deployed APIs on **Amazon Web Services (AWS)** to ensure scalability and reliability within a **cloud infrastructure** environment, implementing **CI/CD practices** for continuous integration.
  - Used **Git** for effective version control, collaborating on **GitHub** to maintain a streamlined, modular codebase with consistent commits, branching, and pull requests.
- DataPoint IT** May 2023 – June 2023  
*Software Developer* Remote
  - Frontend Development:** Built responsive, user-friendly interfaces using **HTML, CSS, and JavaScript** with integration to a **Django** backend, enhancing usability.
  - Backend Development:** Constructed scalable **RESTful APIs** with **Django** for **user authentication**, data retrieval, and management. Configured and optimized database schema using **Django ORM** for efficient **data handling** and storage.

## EDUCATION

- Lords Institute of Engineering Technology** 2020 - 2024  
*Computer Science and Engineering* Hyderabad, India
  - GPA: 7.85 / 10

## PROJECTS

- ChatGPT Clone** September 2024  
*Tools: [React-JS, FastAPI, MongoDB, Langchain]* 
  - Frontend:** Created an interactive **React**-based UI, using hooks like **useState** and **useEffect** for dynamic state management and lifecycle optimization. Implemented **session management** to allow continuity in chat interactions.
  - Backend:** Set up a **FastAPI** server to handle chat sessions, leveraging **MongoDB** for persistent session storage. **REST API** endpoints for user input processing and **PDF querying**.
  - Machine Learning:** Employed **LangChain** and the **Gemini** model to generate conversational responses. Applied advanced **NLP** techniques using **Transformers** and **NLTK** for accurate, context-aware responses.
- BULLYDETECTIVE** Month Year  
*Tools: [Flask, MySQL, HTML, CSS (Bootstrap), JavaScript]* 
  - Machine Learning:** Utilized **classification algorithms** with **scikit-learn** to detect and categorize bullying behavior in user comments, achieving high accuracy and precision.
  - Database Management:** Configured **MySQL** to store and manage user registration data, ensuring data integrity and security.
  - Web Technologies:** Developed the application using **Flask** for efficient routing and request handling, with a responsive frontend made and styled with **HTML, CSS (Bootstrap), and JavaScript**.

## SKILLS

- Programming Languages:** Python, JavaScript, Java
- Web Technologies:** ReactJs, ViteJs, HTML, CSS, Javascript
- Database Systems:** MySQL, PostgreSQL, MongoDB
- Data Science & Machine Learning:** Pytorch, NLP, Scikit-learn, Web Scrapping, LangChain, Transformers
- Cloud Technologies:** Amazon Web Services (AWS)
- Version Control:** Git, Github