ADITI BAGHEL

+91 9910513389 ◇ Delhi
aditibaghel2k323@gmail.com aditi-baghel-2aa880262 Aditi-Baghel

EDUCATION

Bachelor of Technology in Computer Science and Engineering — Delhi, India
Indira Gandhi Delhi Technical University for Women. — 2022 - 2026
CBSE, Class XII — Delhi, India
Kendriya Vidyalaya JNU, New Mehrauli Road. 93.4% — 2021 - 2022

SKILLS

Languages	JavaScript (ES6+), Python, SQL, C++, HTML, CSS
Frameworks & Libraries	React.js, Node.js, Express.js, Bootstrap, Tailwind CSS
Databases & Cloud	PostgreSQL, MongoDB, AWS (basic)
API & Architecture	RESTful API design
Tools & Version Control	Git, GitHub, VS Code, Google Sheet, Excel
Data Science & OS	Scikit-learn, Pandas, NumPy, Matplotlib, Linux(Oracle VM VirtualBox)

EXPERIENCE

Full-Stack Web Development Intern *Training Session* — June 2024 - Aug 2024

- Developed and deployed dynamic full-stack web applications utilizing HTML, CSS, JavaScript, Node.js, React, PostgreSQL, Web3, and DApps. Engineered interactive user interfaces and integrated blockchain functionalities.

Python-Machine Learning Internship *Training Session* — June 2023 - Aug 2023

- Analyzed core machine learning concepts and algorithms, curating models for accurate data classification. Conducted exploratory data analysis to identify patterns and optimize datasets for machine learning pipelines.

PROJECTS

Offensive Speech Detection
Research — May 2025 - Ongoing

- Developed a text classification model to detect offensive and hate speech in online conversations.
- Implemented machine learning/deep learning techniques (e.g., LSTM, CNN, or transformer-based models) to classify text into offensive/non-offensive categories.
- Conducted preprocessing (tokenization, stop-word removal, embeddings) and evaluated the model using metrics such as accuracy, precision, recall, and F1-score.

Cope
AI-Powered Mental Wellbeing Platform — Sep 2024 - Dec 2024

- Conceptualized and designed a mental health support platform with features like story sharing, journaling, mood tracking, and AI-driven recommendations.
- Built the foundation for sentiment detection algorithms to analyze user-submitted stories/journals and identify emotional states such as stress, anxiety, or motivation.
- Drafted wireframes for MVP screens (Submit Story, Story Feed, Search Filters, Moderator Queue) to align data flow with user interactions and AI insights.

Keystroke Dynamics Analysis
An ML-based project analyzing keystroke dynamics dataset for behavioral insights. — May 2024 - Aug 2024

- Processed 20,000+ keystroke samples across 20 users to extract behavioral metrics like hold time and flight time.
- Improved classification accuracy from 78% to 90% using feature selection and ensemble models.
- Conducted statistical analysis and visualization using Pandas, NumPy, and Matplotlib.

EXTRA CURRICULARS

Volunteer, Desh Ke Mentor Program, Delhi: 2022-2023.
Provided peer tutoring in math and science, leading to a 25% average increase in students' grades over the year.