Shreya Chakraborty

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EDUCATION

Vellore Institute of Technology | CGPA: 9.05 Vellore, Tamil Nadu
Bachelor of Technology (B.Tech) in Computer Science and Engineering *Aug. 2023 – July. 2027*

Delhi Public School | PCMB: 91(CBSE) Siliguri, West Bengal
Senior School *Apr. 2019 – Mar. 2021*

St. Joseph High School | 92(ICSE) Siliguri, West Bengal
High School *Passed – 2019*

EXPERIENCE

UI/UX Designer Sept. 2023 – Dec. 2023
MG Startup *VIT, Vellore*

- Designed, prototyped, and optimized 5+ user interfaces for a healthcare application using Figma and React.js, improving visual consistency and usability across multiple modules and increasing task completion speed by 20%.
- Improved user interaction efficiency by 25% through streamlined medical document workflows.

CERTIFICATIONS

MERN Stack Certification | Certificate ID: FCGMFBWH July. 2025

PROJECTS

VaxPortal | *React, Node.js, Express, MongoDB, Gemini API* [GitHub] Apr. 2025 – Apr. 2025

- Developed a full-stack vaccination portal using React.js, Node.js, Express.js, MongoDB.
- Implemented JWT-based authentication and role-based dashboards, reducing unauthorized access attempts by 40% and ensuring compliance with data privacy standards.
- Integrated a Gemini API-powered chatbot that automatically resolved 80% of common vaccination queries, significantly reducing manual support workload.

SMS Spam Classifier | *Python, Scikit-learn, NLTK, Streamlit* [GitHub] May. 2025 – May. 2025

- Built an SMS spam detection model using Scikit-learn's TF-IDF vectorization and Multinomial Naïve Bayes, achieving 97% accuracy.
- Engineered custom Python functions for tokenizing and stemming SMS text data, improving the model's ability to distinguish between spamDesigned data visualizations that uncovered key spam/ham patterns, accelerating preprocessing and reducing model debugging time by 20%.
- Developed and deployed a Streamlit web application with real-time spam/ham classification, tested by 50+ users for performance and usability.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++
Web Technologies: React.js, Node.js, Express.js, HTML5, CSS3, JavaScript (ES6+)S
Databases: MongoDB, MySQL
Tools and Platforms: Git, Google Colab, VS Code, PyCharm
Libraries and Frameworks Pandas, NumPy, Matplotlib, Scikit-learn, NLTK
Core Competencies: Data Structures and Algorithms (DSA), Object Oriented Programming (OOP), Machine Learning, Natural Language Processing (NLP)

CAMPUS LEADERSHIP

Member Secretary Sept. 2024 – Present
Student Council of VIT *Vellore, India*

- Conducted large-scale hackathons with 1000+ participants, managing logistics and execution.
- Organized VIT's annual Club and Chapter Meetup with 50+ organizations.
- Reduced event planning time by 15% via structured collaboration with student bodies.

Operations Executive July. 2024 – Present
Entrepreneurship Cell (ECELL), VIT *Vellore, India*

- Managed South-Asia's Biggest Entrepreneurship festival, with a footfall of more than 600+ students
- Supported the execution of business simulation events during Futurepreneurship-10.0, with over 800+ registrations