

Shreya Jha

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EXPERIENCE

Data Analyst Intern Excelerate

Feb 2025 – March 2025

- Conducted **advanced exploratory data analysis (EDA)** on 8,000+ learner records using **Python (Pandas, Matplotlib, Seaborn)** to identify trends in user engagement, course completion, and dropout behavior.
- Engineered critical features including **user age, opportunity duration**, and **course difficulty** to improve **machine learning model accuracy** and interpretability.
- Developed and evaluated multiple **supervised learning models** (XGBoost, Random Forest, Decision Tree); **XGBoost model achieved 87.1% accuracy and 93.9% recall**, outperforming others.
- Built a **churn prediction system** that proactively flags at-risk users, integrating behavioral signals and usage metrics for real-time intervention.
- Created a **personalized recommendation engine** using **content-based filtering** to deliver tailored study plans and course paths, enhancing user retention and satisfaction.
- Designed and deployed a **data-driven engagement strategy** including **gamification, onboarding flows, and retention nudges**, leading to a projected 20% reduction in early dropouts.
- Developed **interactive dashboards and visual reports** using **Tableau and Excel**, enabling cross-functional teams to make informed product decisions.
- Collaborated in an **agile team environment**, contributing to **data pipelines, feature selection**, and **model validation processes**.

Divisional President Street Cause

November 2024 – Present

- Rebuilt and scaled the chapter post-decline, driving a **100%+ increase in member engagement and project activity** within 3 months through strategic planning and revitalized leadership.
- Managed a **cross-functional team of 50+ volunteers**, overseeing operations, goal-setting, and execution across outreach, logistics, and communications verticals.
- Raised **₹2,00,000+ in sponsorships and fundraising** to fund high-impact initiatives including health camps, education drives, and civic improvement projects.
- Led over **10 community-driven projects and field surveys**, utilizing **data collection and analysis** to identify actionable insights on local civic challenges.

- Oversaw **project management processes** using **Microsoft Excel, Google Sheets, and Docs**, ensuring seamless budgeting, reporting, and volunteer tracking.
- Developed **standardized reporting templates and SOPs**, enhancing inter-team efficiency, documentation accuracy, and stakeholder transparency.
- Successfully positioned Street Cause Stanley among the **top-performing student-led social organizations** in the region, recognized for innovation and consistent impact delivery.

Other Experiences:

Senior Director | Hyderabad Youth Assembly

- Spearheaded a **high-impact social project worth ₹2.5 lakh**, designing and executing field surveys to gather community insights; applied structured **data collection and categorization techniques** to inform decision-making and optimize project outcomes.
- Led strategic policy-focused dialogues simulating **Model UN frameworks**, applying **stakeholder analysis, structured debate formats, and policy impact evaluation** to facilitate real-world issue resolution.
- Collaborated with multidisciplinary teams to drive civic engagement through **data-backed insights, analytical frameworks**, and participatory decision-making processes.

President | ISTE Student Chapter

- Organized and led multiple **tech-based workshops, coding contests, and speaker sessions**, boosting technical participation across departments.
- Coordinated event planning, logistics, and promotion using tools like **Canva, Excel, and Google Forms**, ensuring seamless execution and high turnout.

PROJECTS

ViraHealth - AI Health Assistant for Alzheimer's Care

Domain: HealthTech | Tools: *HTML, CSS, JavaScript, Node.js, MySQL, OpenAI API*

- Developed an interactive AI health assistant for **Alzheimer's** care, focusing on medication adherence, appointment tracking, and health monitoring.
- Created a Game Zone with **cognitive games** (Face Matching, Emoji Pattern, Relationship Matching) to enhance memory skills.
- Implemented **personalized health suggestions** and game recommendations based on user profiles.
- Built a dynamic chat interface for **real-time user-bot** interactions using OpenAI's GPT.

- Integrated a Memory Assistant to store patient information for improved recall and care continuity.
- Designed full-stack architecture: **Frontend (HTML, CSS, JavaScript), Backend (Node.js, MySQL, OpenAI API)**.
- Ensured compliance with HIPAA and GDPR standards.

Period Tracker App UI

Domain: UI/UX, HealthTech | Tools: Figma

- Designed a period tracking and wellness app UI focused on **accessibility, health insights, and emotional well-being**.
- Ensured UI aligned with **modern design principles**, with clean layout, intuitive flow, and a focus on **inclusivity**.

CERTIFICATIONS

Azure AI Fundamentals – Microsoft

[View credentials](#)

Data Analytics – Google

[View credentials](#)

UI/UX Kickstarter Workshop– Growth School

[View credentials](#)

AI with Python– Languify

[View credentials](#)

EDUCATION

Bachelor of Engineering | *Information Technology*

CGPA – 8.9

Sep 2023 – Present

Stanley College of Engineering and Technology (Hyderabad)

Senior Secondary (12th) | *Science with CS*

April 2021 – April 2023

Arham Junior College (Pune)

SKILLS

Technical Skills

Java | Python | C | SQL | HTML | CSS | Node.js | MySQL | Figma | GitHub | Generative AI | Backend Development | UI/UX Design | Responsive Design | OpenAI API | Data Structures & Algorithms (DSA) | Object-Oriented Programming (OOP) | Operating Systems | Computer Networks | Data Communication | Linux | Data Cleaning | Data Analysis

Tools & Platforms

Google Docs | Microsoft Excel | Canva | Google Forms | VS Code | Git | Azure

Soft Skills

Leadership | Project Management | Communication | Teamwork | Time Management |
Adaptability | Problem Solving | Creativity | Research | Multitasking | Curiosity