

Harshita Chelani

Frontend Developer | Data Analyst | B.Tech CSE
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WORK EXPERIENCE

Axtria – Indigenous Insights

Data Analyst

- Developed **5+ responsive web pages** using **React.js, JavaScript, and CSS**, improving user engagement time by **40%**.
- Integrated frontend with **Python (Flask/Django)** backend APIs, reducing page load times by **30%** through optimized API handling and lazy loading.
- Created and executed **150+ test cases** for **UAT and SIT** phases, improving defect detection rate by **35%** before production release.
- Collaborated with cross-functional teams to define **test data requirements**, leading to a **25% reduction in test cycle time**.
- Developed **SQL queries** and **data validation scripts** to support backend testing and ensure data integrity across systems.
- Automated **30% of repetitive test scenarios** using tools like **DataMAX (Axtria Product)** and **Python scripts**, reducing manual effort by **20+ hours/week**.
- Containerized frontend and backend services using **Docker**, allowing for consistent development environments and reducing onboarding time by **60%**.
- Collaborated in Agile/Scrum workflows and conducted retrospective reviews to improve DevOps feedback loops and reduce lead time for changes.

CISCO CyberSecurity Virtual Internship

- Completed a two-month virtual internship, where I designed and simulated hybrid work-from-home and on-campus network architectures using Cisco Packet Tracer, implementing practical security controls—firewalls, VLAN segmentation to strengthen network security for 100+ faculty users, reducing identified vulnerabilities by 30%.

SKILLS

- **Tools** – Git, MySQL, FIGMA, Docker, Cisco Packet Tracer
- **Frameworks & Libraries** – React.js, React Router, Flask (Basic), Tailwind CSS
- **Programming Languages** – Java, Python, C, JavaScript, CSS, HTML, SQL
- **DevOps** – Containerization (Docker), Deployment on Vercel, Environment Variables
- **Soft Skills** - Problem-Solving, Collaboration & Teamwork (Agile/Scrum), Project Leadership

EDUCATION

- **Inderprastha Engineering College** - BTech in Computer Science and Engineering - 8.83 / 10 2021-2025
- **Seedling Public School, Jaipur** - Senior Secondary Education – 92/100 2020
- **Seedling Public School, Jaipur** - Secondary Education – 96/100 2018

PROJECTS

Field Flare – A Smart Farmer Assistance System

- Developed a web-based agricultural assistant that recommends crops, suggests fertilizers, and detects plant diseases using image classification, enhancing decision-making for farmers.
- Trained a **machine learning model (Random Forest & XGBoost)** for crop recommendation with **90%+ accuracy** using soil, weather, and location datasets.

Blockchain based Digital Art Platform

- Designed and developed a Bento-style interactive art platform using React.js, track ownership of digital artworks.
- Integrated **blockchain functionality** to create a **secure, tamper-proof registry** for artworks using **Web3.js** and **smart contracts**, enabling decentralized ownership tracking.

Price Comparison Website – Electronics

- Developed a **price comparison web app** that scrapes data from **6+ e-commerce websites** using **BeautifulSoup**, automating real-time price extraction for products across platforms like Amazon, Flipkart, etc.
- Created a Flask-based backend API to serve scraped and processed data, connected to a responsive HTML/CSS + JS frontend with user-friendly search and filter option.