

Samriddhi Saxena

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Work Experience

Data Science	May 2025 – Current
Infosys	
<ul style="list-style-type: none">Infosys Pragati: Path to Future Cohort is a program by Infosys, for women.	
Data Visualization Intern	December 2024 - January 2025
Infosys	
<ul style="list-style-type: none">Cleaned and preprocessed data, improving data quality and reducing processing time by 80% and boosting cost efficiency.Implemented PowerBI and Python Streamlit to automate data aggregation, analysis, and visualization, saving the data analytics team approximately 10 hours per week.Designed 4 dashboards, improving decisions and Streamlit UI to raise engagement by 65%.	
Machine Learning Intern	October 2023 - December 2023
Compsoft Technologies	
<ul style="list-style-type: none">Engineered a machine learning-based solution to optimize operations, reducing costs by 80%.Utilized Python libraries (Pandas, NumPy, Scikit-learn, OpenCV) for data processing, ML modeling, and computer vision, enhancing model accuracy by 90% and reduced processing time by 30%.Reduced search time by 80%, saved 50+ hours weekly, and enhanced user experience via automation.	

Projects

AgriAid	Deploy
<ul style="list-style-type: none">AI-powered web application that helps farmers diagnose crop diseases and get treatment recommendations in multiple languages.Works on both desktop and mobile devices.	
Ink2Deck – Smart board to Slide Deck Converter	Deploy
<ul style="list-style-type: none">Engineered AI-powered tool converting handwritten content from whiteboards into professional slide decks (PPT/PDF) with a single <i>"Engineered a machine learning-based solution to optimize operations, reducing costs by 80%.click, reducing deck creation time by 85% for users and increasing productivity.</i>Deployed OpenCV and pytesseract libraries within the Python-based application, achieving 99% accuracy in handwriting recognition, and implemented MongoDB for secure user authentication.	
Integrated Intelligent Traffic Management System(IITMS)	GitHub
<ul style="list-style-type: none">Developed an innovative solution leveraging advanced ML, enhancing safety and efficiency by 30% while streamlining operations.Leveraged MongoDB, Google Cloud, and Python (Matplotlib, Pandas, NumPy) for efficient data storage and analysis, improving data processing speed by 35% and enhancing visualization accuracy.Achievements: Improved accuracy by 95%, reduced violations, and enabled data-driven decisions.	
Sentiment Analysis using NLP	GitHub
<ul style="list-style-type: none">Designed an advanced system using NLP, achieving 90% accuracy on 10,000+ data points while optimizing performance and scalability.Visualized and demonstrated sentiment insights with Seaborn visualizations, and robust data pipelines, leveraging statistics for analysis.	
Automated Parking System using Machine Learning	GitHub
<ul style="list-style-type: none">Optimized parking allocation with machine learning algorithms, reducing search time by 99%.Automated business processes, cutting labour expenses by 80% and enhancing the user experience.	

Education

<ul style="list-style-type: none">B.E. in Computer Science Engineering with Data Science (December 2022 – Current) Visvesvaraya Technological University(VTU) (SGPA: 8.1 (Current))
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Co - Curricular

<ul style="list-style-type: none">Winner at Hacktopus hackathon.(2025)Participated in Simba GPT hackathon.(2025)Participated in Code-6-Craze hackathon.(2024)

Certifications

<ul style="list-style-type: none">Accenture Data Analytics & Visualization Job SimTata Data Visualization Job SimData Analyst Internship Training	Forage Forage Trainity
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Skills

<ul style="list-style-type: none">Programming Languages: Python, SQL, MongoDB, JuliaLibraries and Frameworks: <i>Python:</i> NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, TensorFlow, PyTorch, PySparkTools & Others: Power BI, Tableau, Git/GitHub, Jupyter Notebook, VS CodeSoft Skills: Communication, Storytelling, Problem Solving, Business Acumen
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