

Tapaswi Satyapanthi

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Education

Master of Science in Information Systems, Northeastern University GPA: 4.00 / 4.00	Expected Dec 2025 Toronto, ON
Integrated Masters in Computer Applications, Ahmedabad University GPA: 3.5 / 4.00	Aug 2015 - Dec 2020 Ahmedabad, GJ

Technical Skills

Languages: Python, Java, Dart, SQL
Data Science: Pandas, Numpy, Sci-Kit Learn, Matplotlib, Seaborn, Plotly, Dash
Software Development Frameworks: Flutter - Mobile and Web, Django - REST API
Version Control: Git, Github, GitLab, Azure Devops
Containerization and Orchestration: Docker, Kubernetes, Docker Swarm

Experience

Senior Systems Engineer <i>Infosys Limited</i>	Apr 2023 – Dec 2023 Pune, India
<ul style="list-style-type: none">Led development of Flutter widget library in Ageis framework for Schlumberger's Android/iOS apps, provided prompt developer support, resolved Flutter framework/widget issues, achieved 70% code coverage in MT Ecosystem apps through automated testing, cutting production time.	
Systems Engineer <i>Infosys Limited</i>	Apr 2022 – Mar 2023 Pune, India
<ul style="list-style-type: none">Developed and maintained MT Ecosystem applications using Flutter for Schlumberger's, spanning iOS and Android platforms, reaching thousands of global on-site workers.Enhanced app performance by 30% through techniques such as Tree Shaking, Data Caching, Offline Mode, and optimized client-server API implementation.Refactored existing code to improve readability and maintainability, resulting in a 25% reduction in development time.	
Software Engineer - Flutter <i>TechWe Innovation PVT LTD</i>	Jan 2020 – Mar 2022 Gandhinagar, India
<ul style="list-style-type: none">Led a team of software engineers to develop the OnlineLR application on Android, iOS, and the web platform in a short time and within budget.Implemented BLoC state management technique for a responsive and reactive user interface.Achieved nearly a 20% improvement in app execution speed through strategic code refactoring and data caching techniques.Implemented a CI/CD pipeline, reducing time-to-deployments by 50%.Mentored junior developers for a smooth transition to the profession.	

Data Science Projects

Music Genre Classification Python, Librosa, Sci-kit learn, Pandas, Numpy
<ul style="list-style-type: none">Conducted EDA with Audio Signal & Features Visualization using Librosa, Matplotlib, and Seaborn.Applied Label encoding and MinMaxScaling for feature normalization during training.Employed Logistic Regression, KNN, Decision Tree, Bagging, & Boosting achieving ~90% accuracy in classification.
TTC Subway Delay Prediction Python, Sci-kit learn, Pandas, Numpy, Regression
<ul style="list-style-type: none">Performed Exploratory Data Analysis with Visualization using Matplotlib and Seaborn.Performed One-Hot encoding on categorical features for training purposes.Implemented Stochastic Gradient Descent Regression model achieving ~90% accuracy in delay prediction.

Certification

IBM Data Science (Jan 2024)
A 10-course Data Science Specialization offered by IBM on Coursera.org