Gaurav Kailash Patil

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Portfolio: https://gauravpatil123.github.io/projects-portfolio/
Github: https://github.com/gauravpatil123
Interests: Product Design, UI, UX, HCI, Data Science, Visualization, Deep learning, Machine Learning

Skills

UX Research: *User Research, User Testing, Information Architecture, Usability Testing*
Product Design: *Design Sketching, Wireframes, Prototyping, Hi-Fidelity Designs, UX & UI Design*
Data Science: *Data ETL, Data Analysis, Data Visualization, Machine Learning Models*
Software Development: *User Interfaces, Website Development, Relational Databases, REST APIs*
Mathematical Skills: *Linear Algebra, Calculus, Probability Theory, Statistics*

Tools & Technologies

Design & Prototyping: *Figma, Adobe Illustrator, Adobe Photoshop, InVision*
Software Development: *Python, JavaScript, HTML, CSS, PHP, D3, REST APIs, SQL, Jquery*
ML & Data Science: *Pandas, NumPy, scikit-learn, Matplotlib, seaborn, TensorFlow, Keras*
Applications: *Gephi, Tableau, AutoCAD, SketchUp, LaTeX*

Education

Pratt Institute, School of Information, NYC, USA　　　　　　　　**Jan 2022 - Present**
Master of Science - Data Analytics and Visualization
Advanced Certificate in User Experience

Columbia University, Fu-Foundation SEAS, NYC, USA　　　　　**Sept 2014 - May 2015**
Master of Science - Civil Engineering and Engineering Mechanics

University of Mumbai, RCOE, Mumbai, India　　　　　　　　　**July 2010 - July 2014**
Bachelor of Engineering - Civil Engineering

Recent Pratt Projects

Communicating Subsurface Infrastructure | Client: NYC DDC　　　**Pratt - Spring 2023**
Digital product design project to find visually appealing & user centric solutions to the client's issue.
Issue: How might we communicate subsurface infrastructure construction projects to the people of NYC.
- *Defined the problem statement & formulated possible solutions by conducting UX research.*
- *Converged on possible solutions by an iterative process using wireframes, prototypes & user testing.*
- *Accomplished better communications of the NYC DDC subsurface projects through the final app design.*

Redesign of the New York Transit Museum Website | Client: NYTM　　**Pratt - Fall 2022**
Website redesign project to improve the user experience of NYTM's website using UX research.
- *Identified the key issues & potential problems in the NYTM website by conducting user & market research.*
- *Devised the sitemap & information architecture by conducting UX studies including card sorts.*
- *Converged on solutions via iterative process using design sketches, wireframes, prototypes & user tests.*
- *Revamped the web experience of NYTM by improving information architecture & webpage redesigns.*

Usability Testing | Client: Friends of Crocheron & John Golden Park　　**Pratt - Spring 2022**
Evaluation project to find problems in the usability & UX of clients website. (Report available on request)
- *Determined the user research objectives by identifying the key functions of the website.*
- *Evaluated park's website by conducting a series of remote moderated user/usability tests with 8 participants.*
- *Recommended solutions for key findings by analyzing the user tests' data & user feedback.*