ANUPAMA BHATTA

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EDUCATION

UNIVERSITY OF MICHIGAN, Ann Arbor, MI   **May 2025** *(Expected)*
Master of Science in Information, Big Data Analytics Pathway
Coursework: Statistics and Data Analysis, Programming and Networks, Git, SQL & Databases, Data Manipulation and Information Visualization, Data Mining, Applied Data Science & Machine Learning, Natural Language Processing (NLP)
Affiliations: School of Information Master's Association (SIMA) – *Member*

WESLEYAN COLLEGE, Macon, GA   **May 2020**
Bachelor of Arts in Applied Data Analysis, Minor in Economics | President's Scholar; Magna Cum Laude
Coursework: Linear Algebra, Probability Theory, Statistical Methods, Computer Science and Programming, Data Analysis, Algorithms, Optimization, Econometrics, Web Development, Digital Culture
Affiliations: Girls Who Code WesCo College Loop – *Founder & President*, AXIS: The International Students' Club – *President*

SKILLS

Programming Languages: Python, R, SQL, JavaScript, Java
ML & Analytics: pandas, NumPy, Hadoop, Spark, PySpark, scikit-learn, XGBoost, PyTorch, TensorFlow, NLTK
Data Visualization & Databases: Tableau, Power BI, Matplotlib, Altair, MySQL, MongoDB
Development Tools: Git, GitHub, VS Code, Jupyter, Docker, React, Next.js
Certifications: Google Data Analytics Professional Certificate, Advanced Google Analytics Certificate

EXPERIENCE

UNIVERSITY OF MICHIGAN, Ann Arbor, MI
Graduate Teaching Assistant   **August 2023 – Present**
→ SI 568: **Becoming a Data Scientist** *(January 2025 – Present)*
→ SI 506: **Programming I** *(January 2024 – December 2024)*
→ SI 325: **Mathematics for Information Analysis** *(August 2023 – December 2023)*

- **Design and develop course materials and technical solutions** including data-focused assignments with automated and personalized feedback for nearly 500 students across three courses. **Create practical exercises** using real-world datasets that strengthen students' skills in data wrangling, statistical analysis, and machine learning applications.
- **Foster a collaborative learning environment** through responsive support on Slack and in-depth code reviews during office hours. **Provide hands-on support** helping students debug data pipelines, optimize solutions for large datasets, and build confidence in solving technical data science challenges, resulting in improved project outcomes.
- **Maintain course infrastructure** through Git version control and Canvas, ensuring seamless delivery of materials and assignments. **Work closely with faculty** to integrate emerging data science technologies and methodologies, including implementing recent advances in statistical modeling, NLP techniques, and data visualization frameworks.

Information Visualization Intern   **May 2024 – August 2024**
- **Implemented an interactive timeline** leveraging Timeline JS and JavaScript to transform complex social media design evolution data into an intuitive visual narrative. **Created a dynamic visualization** that simplified access to design history patterns, serving as a valuable resource for users across diverse educational levels and research fields.
- **Collaborated with design and backend teams** to integrate React components and API-retrieved JSON timeline data into the project website. **Implemented user-centered solutions** that balanced data visualization with accessibility to enhance the platform's mission as a definitive source for social media design history.

LOYAL, Atlanta, GA
Senior Solutions Analyst   **May 2022 – May 2023**
- **Led a data operations team** to manage the enterprise source-of-truth platform, ensuring 99% accuracy for healthcare provider and location data across ~300 facilities and 3,000 providers. **Implemented bi-directional API integrations** with Google, Bing, and other healthcare-specific platforms, while driving SEO strategies to boost client visibility.
- **Spearheaded SEO initiatives** using Google Analytics and industry research to improve clients' online presence across healthcare platforms. **Orchestrated cross-functional projects** to translate business requirements into data-driven technical solutions, while overseeing team operations including recruitment and performance management.

Solutions Analyst   **August 2020 – April 2022**
- **Enhanced data quality management** by implementing validation protocols including schema verification, duplicate detection, and automated cross-platform integrity checks for healthcare provider and facility information. **Optimized integration workflows** by analyzing and eliminating technical bottlenecks in data processing pipelines.
- **Collaborated with clients and internal teams** to define project specifications and expand integration channels. **Streamlined deployment processes** resulting in 30% reduction in integration time and improved data consistency.