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 | GPA: 3.9
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, Looker Studio, 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 Python-based course materials**, creating and grading data-focused assignments and projects with personalized feedback for nearly 500 students across three courses. **Create practical exercises** that strengthen students' skills in data wrangling, statistical analysis, and machine learning applications.
- **Provide hands-on support** helping students debug data pipelines, optimize solutions for large datasets, and build confidence in solving complex analytical problems. **Foster a collaborative learning environment** through in-depth Python code reviews during office hours and dedicated Slack channels for real-time assistance.
- **Maintain course infrastructure** through Git version control, ensuring seamless delivery of course materials. **Work closely with faculty** to enhance course content with industry-relevant tools, integrating data manipulation libraries like pandas and NumPy, applied NLP techniques, and visualization platforms including Tableau and Altair.

Information Visualization Intern   **May 2024 – August 2024**
- **Implemented an interactive timeline** leveraging JavaScript and Timeline JS 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. **Optimized visualization performance and accessibility** through responsive interface refinements based on user testing, making complex timeline data understandable across desktop and mobile devices.

LOYAL, Atlanta, GA
Senior Solutions Analyst   **May 2022 – May 2023**
- **Led a dynamic data operations team** to maintain the enterprise source-of-truth SQL database, ensuring 99% accuracy for healthcare provider network and facility information across third-party listing platforms. **Implemented bi-directional API integrations** using Python to sync data with major search engines including Google and Bing.
- **Designed and delivered custom data solutions** for clients by translating business challenges into efficient processing and reporting implementations. **Spearheaded SEO initiatives** using Google Analytics and industry research to improve clients' online presence across healthcare platforms, while also overseeing recruitment for my team.

Solutions Analyst   **August 2020 – April 2022**
- **Enhanced data quality management** by developing automated validation protocols including schema verification, duplicate detection, and cross-platform integrity checks using SQL queries for healthcare provider data. **Optimized integration workflows** by analyzing system logs to identify and eliminate bottlenecks in data processing pipelines.
- **Collaborated with clients and internal teams** to define project specifications and expand integration channels. **Streamlined operation workflows** with analytics visualized in Looker Studio, achieving 30% faster integrations.