Anupama Bhatta

Ann Arbor, MI • (478) 305-5404 • bhatta.anupama1@gmail.com • linkedin.com/in/anupama-bhatta • anupamabhatta.github.io

EDUCATION

University of Michigan, Ann Arbor, MI   **May 2025 (Expected)**
Master of Science in Information, Big Data Analytics | GPA: 3.9/4.0
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, scikit-learn, XGBoost, PyTorch, TensorFlow, NLTK, LangChain, Hadoop, Spark, PySpark
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**

Courses Taught: - 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** for nearly 500 students across three courses in areas of mathematical analysis, programming fundamentals, and applied data science, creating practical exercises and providing constructive feedback to foster student learning and proficiency in statistical modeling, data manipulation, and machine learning applications.
- **Enhance curriculum effectiveness** by maintaining course infrastructure through Git version control and collaborating with faculty to incorporate industry-standard tools for data processing, modeling, and visualization, including pandas, scikit-learn, and Tableau.
- **Provide hands-on technical support** through in-depth code reviews and real-time assistance via dedicated Slack channels and office hours, helping students debug data pipelines, optimize solutions, and build confidence in solving complex analytical problems.

Information Visualization Intern   **May 2024 – August 2024**

- **Built and deployed a responsive timeline** leveraging JavaScript and Timeline JS to transform complex social media design evolution data across multiple platforms, including Facebook, Instagram, Snapchat, and others, into an intuitive visual narrative.
- **Collaborated with design and backend teams** to integrate React components and API-retrieved JSON timeline data, creating an interactive visualization with rich media and navigation accessible to users across diverse educational levels and research fields.
- **Optimized visualization performance and accessibility** through responsive interface refinements derived from iterative user testing, making complex timeline elements interpretable across both desktop and mobile devices.

Loyal Health, Atlanta, GA
Senior Solutions Analyst   **May 2022 – May 2023**

- **Led a dynamic data operations team**, supporting hiring and team success, while maintaining the enterprise source-of-truth SQL database with 99% accuracy for healthcare provider network and facility information across multiple third-party listing platforms.
- **Implemented bi-directional API integrations** using Python to ensure client data consistency across major search engines including Google and Bing, serving as the product lead connecting design and engineering teams with client requirements and feedback.
- **Spearheaded SEO initiatives** using Google Analytics and industry research to improve clients' online presence across healthcare platforms, advocating for patient access to quality care through delivery of accurate and relevant provider and location information.

Solutions Analyst   **August 2020 – April 2022**

- **Enhanced data quality management and accuracy** by developing automated validation protocols including schema verification, duplicate detection, and cross-platform integrity checks using SQL queries for 3000+ healthcare providers and locations.
- **Streamlined data integration workflows** by diagnosing pipeline bottlenecks through log analysis and implementing targeted solutions, while developing monthly Looker Studio dashboards to track and report key Google Business Profile performance metrics.
- **Collaborated with clients and internal teams** to identify healthcare information gaps and develop integrated healthcare mapping solutions, implementing geocentric search capabilities that produced 30% higher engagement rates.