ADVAITH VENKATAKRISHNAN

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PROFESSIONAL EXPERIENCE

CENSYS – New York, NY   May 2022 to Present

Staff Software Engineer

Driving frontend development with extreme ownership, I lead an 8 person team on the core services team. I organize and plan project deliverables, delegate tasks efficiently, and head the frontend guild at our company. Known for my sense of urgency and attention to detail, I excel at prioritizing tasks and anticipating obstacles.

Notable Contributions:

- **Creator and maintainer of internal data visualization library** written in d3 and react for composable graph elements to create custom reports and dashboards.
- **Drive successful project delivery** across four reports, three dashboards, and dozens of client facing features by organizing product work, scheduling user acceptance testing, and reducing the feedback loop with design.
- **Built a highly flexible reporting framework** that streamlined operations and facilitated custom dashboards.

MINITAB – New York, NY   Sept. 2020 - May 2022

Senior Data Visualization Engineer

Collaborated with stakeholders, developers, and designers to strategize and create feature requirements to improve existing BI tools. Develop prototypes to test new initiatives and improve usability. Mentored junior developers in a paired programming style to increase ramp up time. Consistently generated new ideas and took initiatives to experiment with data visualization prototypes and guide them to production.

Notable Contributions:

- **Composed Dashboard Gap Analysis** to compare and rank existing product features against market leaders.
- **Prototyped Unique Exploratory Factory Visualization** to identify areas of improvement across plant hierarchy.
- **Prototyped Next Gen Dashboard App** to integrate Minitab ecosystem with capabilities like selective filtering, dynamic chart generation, and page variables using latest tech to produce fast and performant dashboarding.

BLACKBOARD INSURANCE – New York, NY   Dec. 2019 to Aug. 2020

Data Visualization Engineer

Designed and developed custom dashboards while implementing new features and tuning visualizations for several departments within the company. Worked collaboratively with stakeholders across operations, broker relations, risk management, and claims data and collected important feedback that informed decision making and implementations for new technology development and integrations.

Notable Contributions:

- **Worked collaboratively with underwriters and broker distribution leads** to create and build a dashboard that allows brokers to compare deals, aggregate data, and access custom visualizations.
- **Built high fidelity custom visualizations** to track and monitor individual accounts across the insurance pipeline which helped informed business decision making.

EDUCATION

BACHELOR OF SCIENCE (BS), COMPUTER SCIENCE – GEORGIA INSTITUTE OF TECHNOLOGY   Aug. 2014 to May 2018

Data Visualization Researcher

Designed and developed interactive charts and tutorials for the new data visualization lab as part of a promotional effort. Created user guides to help students and faculty learn Tableau, ArcGIS, and RStudio in the lab.

Notable Contributions:

- **Held multiple workshops for over 100 students** and taught d3 techniques and provided tip on how to produce clean and custom graphs.

Teaching Assistant

Led weekly lectures for over 50 students and taught media manipulation and other computing concepts in the Python programming language. Organized and held office hours for students in order to help them reach their goals, review their work, and provide additional assistance.