

## Bidur (Jay) Pantha

Phoenix, AZ

Engineering & Analytics | [jaypantha21@gmail.com](mailto:jaypantha21@gmail.com) | (480) 810-8645 | [jaypantha.com](http://jaypantha.com) | [GitHub](#) | [LinkedIn](#)

## SKILLS

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**Tools:** GitHub, Tableau, Excel

**Languages:** Python, JavaScript, Java, C

**IDE/Environments:** Visual Studio Code, PyCharm, DataGrip, Jupyter, Anaconda, SQL Developer

**Data:** AWS, Azure, SQL, ETL, Pandas, Sklearn, NumPy, Seaborn, Matplotlib, PySpark, PyTorch

## EXPERIENCE

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### Microchip Technologies

Phoenix, AZ

Software Engineer - Data Science (Full-Time)

Sep 2023 - Present

- Conducted in-depth data analysis using Python, SQL, and Tableau to uncover critical business insights, providing actionable recommendations for process optimization and revenue growth
- Optimized efficiency through automated analytics, reducing report generation time by 90% and fostering a smoother workflow
- Implemented Large Language Models (LLMs) across various internal operations, including financial transaction fraud detection, database chatbots, and streamlining internal processes. This strategic initiative has empowered the company's digital transformation journey into the realm of Artificial Intelligence, enhancing innovation.
- Collaborated closely with cross-functional teams, leading knowledge-sharing sessions, and translating business requirements into technical solutions. Resulted in an overall efficiency improvement of more than 50% and increased data transparency

### School of Engineering, University of Pennsylvania

Remote

Teaching Assistant (Part-Time)

Aug 2022 - Present

- Offer comprehensive support to students enrolled in the CIT program's "Intro to Software Development" course at Penn, empowering them to grasp fundamental concepts and elevate their software development skills in Python and Java
- Conduct regular office hours and host review sessions, fostering an environment of active learning and aiding students in achieving a deeper understanding of course material
- Actively contribute to their overall growth and success by addressing not only academic matters but also providing guidance on mental health, effective time management, and personalized course planning

## EDUCATION

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University of Pennsylvania, School of Engineering and Applied Science

Philadelphia, PA

*Masters:* Computer and Information Technology

Jan 2022 – May 2023

*Relevant Courses:* Software Development, Data Structures and Software Design, Algorithms and Computation, Database and Info Systems, Artificial Intelligence, Big Data Analytics, Computer Systems and Programming, Discrete Math

Arizona State University, School of Molecular and Life Sciences

Tempe, AZ

*Bachelors:* Biomedical Sciences and Biochemistry (Minor)

Aug 2017 – May 2021

*Relevant Courses:* Statistics, Calculus, Research Methods, Physics, [Honors Thesis](#)