# Adith Prabukumar

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## Professional Experience

**Full-Stack Engineer,** *Frontier Science and Technology*                    Mar 2023 | Buffalo, New York
- Engineered an **automated bot** utilizing **Python** to extract data from Excel files, and upload it to a local **Postgres Database**, resulting in a notable **30% reduction** in manual data entry time.
- Implemented **optimized PostgreSQL queries** on legacy projects, increasing query processing time by 40% and improving cross-team functionality.
- **Developed a dashboard** that analyzes real-time query data and database performance using **Grafana**, improving data visibility by 60%.
- Collaborated with the data engineering team on a data migration project, **building APIs** to grab data and push it to **Azure Blob Storage.**
- Worked on unit tests using **Unitest** and performed quality checks to achieve software functionality, glitch elimination, and update maintenance of access control, leading to a 70% increase in performance.
- Spearheaded the design and implementation of robust **CI/CD pipelines** using **GitHub Actions** and other version control methodologies across all projects.

**Software Engineer,** *AINQA Group*                    Aug 2020 – Jul 2021 | Mumbai, India
- Achieved recognition as the **leading performer** within the team by consistently **resolving existing tickets** and collaborating with colleagues.
- Engineered a web application using Python's **Flask** framework and **JavaScript**, enabling employees to effortlessly upload CSV files for real-time interactive data analysis, **improving data accessibility** by 30%.
- Engineered an **interactive dashboard** using the **React** framework to create dynamic graphs of user analytics, **improving KPI tracking** by 45%.
- Collaborated with Senior Enterprise Architects, Solution Architects, and Product Managers, to understand the workflow and ensure standards and rationalization plans to improve visibility and insights of strategic outcomes to drive product **impact by around 70%.**
- Leveraged **OCR technology** using **OpenCV** to extract data leading to the creation of a comprehensive data set, increasing the productivity of the team by 40%.
- Incorporated **UAT testing methods** by planning and executing key test cases, improving the error visibility process by 30%.

## Skills

**Languages:** (Python, Go, Javascript, HTML, Bash, Git)

**Database** (PostgreSQL, MySQL, MongoDB, Oracle SQL, Firebase)

**Tools** (Github Actions, Grafana, Tableau, Postman, Docker, Kubernetes, Azure Cloud Services)

**Frameworks** (React.js, Flask, Django, Node.js, Pyspark)

## Education

**Masters of Science in Data Science,** *University at Buffalo*                    Aug 2021 – Feb 2023 | Buffalo, NY
  **Cumulative GPA**: 3.8/ 4.0 - *Magna Cum Laude*

**Bachelor of Engineering,** *Anna University*                    Aug 2017 – Mar 2021 | Tamil Nadu, India
  **Cumulative GPA:** 3.7/ 4.0

## Projects

**Khoj,** *Active Open-Source Contributor* ⧉                    Aug 2023 – present
- Leveraged knowledge of **Object Oriented Programming** concepts to write clean code and improve functionalities.
- **Resolved 4 open issues** to completion. Collaborated with various other contributors to implement the Github indexing API feature.
- Played a key role in the **documentation** of the new software changes and feature updates.