

KIRAN SHRIDHAR ALVA

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Education

University of Pittsburgh (graduating post April 2025)

Pittsburgh, PA

Master of Science, Information Science → GPA: 3.46 STEM Program

May 2025

Nitte Meenakshi Institute of Technology

Bangalore, India

Bachelor of Engineering, Electronics and Communication → GPA: 3.07

Aug 2019

Certification - Microsoft Certified Azure Data Engineer Associate Exam DP203

Jun 2023

Work Experience – 3.5 Years Software Engineer

Software Engineer: *Infinite Computer Solutions*

Dec 2022 – Jul 2023

- **Software Development:** Developed PySpark codes, built data pipelines, and configured endpoint connections for SQL databases.
- **Data Migration:** Performed data migration from Dynamic CRM, Mixpanel, Eloqua on ADF to Managed Instance DB.
- **Code Quality:** Ensured code maintainability and adherence to best practices using Git.
- **Collaboration & Testing:** Worked with QA teams to validate data pipelines.
- **Documentation:** Created technical documentation for data workflows.
- **Process Improvement:** Conducted cost analysis on Azure Data Factory.
- **Client Presentation:** Performed ADF Pipeline building demonstration for clients.
- **Interview:** Conducted candidate interviews for data engineering roles.

Software Engineer: *Tiger Analytics*

Jun2022 – Dec2022

- **Software Development:** Developed PySpark codes, built data pipelines.
- **Data Modeling & Processing:** Designed data models, wrote scripts on Databricks, built data pipelines on AWS and Azure.
- **Data Visualization:** Built Power Bi dashboards for client based on requirements.
- **ETL:** Build CDC pipelines for incremental data load of pipelines

Project Engineer/Software Engineer: Wipro Ltd

Jan 2020 – Apr 2022

- **Mainframe & Cloud Operations:** Worked with JCL, COBOL, and DB2 on mainframes. Monitored Azure pipelines, implemented triggers, and debugged PySpark tickets.
- **Support & Maintenance:** Provided on-call support to resolve critical issues.
- **Documentation:** Documented mainframe processes and Azure configurations.

IT Tech Consultant: *University of Pittsburgh (Part-Time)*

Jan2024 -Present

- Addressed software installation issues and verified user licenses in Azure environment.
- Assisted users in debugging hardware and software issues, navigating university portals, and installing software.
- Assisted non-tech teams in installations.
- Logged every issue in TDX ticketing system for comprehensive tracking and resolution.

Projects/Portfolio: -> ensured pushing code through git to mimic industry experience.

Data Engineering and Analysis: Implemented SQL and python for data analysis, 250000 rows and more.

Gaming on Unity – Viridium : Built and launched my game, C#, unity. Implemented OOP in C#

Website: Built and launched my website on GitHub pages, HTML, Git.

Azure Data Pipeline: From extracting raw data, processing, modeling it to build dashboards.

Skills:

Programming: Python, SQL, C++, OOP, Algorithms

Tools: VSCode, Azure Data Studio, Azure Storage Accounts, Azure DevOps, Git, SQL, Agile

Jira, Azure Logic Apps, AWS, TDX, Unity, Power Bi, Tableau

Data Processing: PySpark, Databricks

Databases: SQL Server, DB2, SSMS