

# Hritwik Biyani

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## EDUCATION

### Stony Brook University

Masters of Science in Computer Science

*Relevant Coursework: CSE 535 (Distributed Systems), CSE 518 (Human Computer Interaction)*

Stony Brook, New York

August 2027

### MIT World Peace University

Bachelors of Technology in Computer Science

Pune, India

July 2021

## TECHNICAL SKILLS

**Computer:** Python, Java, JavaScript, Linux, SQL, GraphQL, HTML, CSS, JSON

**Tools:** Git (CI/CD), Snowflake, Databricks, AWS, dbt, NodeJS, Flask, Streamlit, Neo4j, Docker, PowerBI

**Skills:** Data Modelling, Backend Development, Data Engineering, Data Analytics, API Design

## RELEVANT EXPERIENCE

### ZS Associates

Pune, India

Senior Data Engineer

July 2023 – July 2025

- Enabled GenAI-based insights and auto-complete features within a customer-facing SaaS product. Leveraged gemini and gpt-4 APIs to automate manual research and documentation workflows for pharmaceutical KAMs
- Created data connectors and automated data loading using JavaScript for 20+ data sources saving 2-3 weeks of manual effort and reducing rework and errors by over 30%
- Led a team of 4 to develop a feedback tool using Power Apps and Azure SQL to facilitate seamless data change requests from medical liaisons and field reps. With a built-in conflict resolution portal, this tool saved over 2 weeks of data cleaning effort every quarter
- Improved operational efficiency across multiple data pipelines by automating weekly data ingestion, DQM checks and complex data transformation processes using Snowflake & dbt. This reduced client turnaround time from 18 hours a week to just 1 hour per week

### ZS Associates

Pune, India

Data Engineer

November 2020 – June 2023

- Worked on a Node.js & Angular web app that processes sales & market data to generate forecast scenarios, majorly improving rebate contract evaluation & increasing ROI by more than 20%
- Implemented interactive network visualizer tools in JavaScript using d3.js and Neo4j, empowering users to explore & effectively analyze healthcare networks in a much more intuitive and user-friendly manner
- Developed robust data transformation processes across platforms such as Snowflake, Databricks, dbt and Python centralizing & standardizing client data management to enhance downstream analytics and improve turnaround time by more than 75%
- Leveraged PySpark to process large machine-readable JSON files (dozens of files ranging from 4TB to 30TB+) containing healthcare pricing data (Transparency in Coverage) to help decrease healthcare costs

### AnalyticsDomain

Pune, India

Web Development Intern

February 2020 – May 2020

- Developed & maintained two web applications using Python Django framework and MySQL database, ensuring scalability & performance. Enhanced user engagement by implementing interactive features with JavaScript

## PROJECTS

### Student Attentiveness Detection, Capstone Project at MIT-WPU

January 2021 - July 2021

- Led a team of three to develop a Django web app that tracks students' attention levels in online lectures using webcam-based gaze detection and OpenPose models.