

# HARSHUL NIHALANI

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## SUMMARY

Data Engineer with experience building production-grade data pipelines and backend systems for US-based clients. Skilled in Airflow, Dagster, SQL, and cloud platforms, with a focus on scalable data workflows, automation, and AI-driven systems. Experienced in handling high-volume data and working in production environments.

## SKILLS

- ❖ **Data Engineering: Airflow, Dagster, ETL Pipelines**
- ❖ **Languages: Python, SQL**
- ❖ **Cloud: Azure (Functions, VMs), GCP, GitHub Actions**
- ❖ **Databases: PostgreSQL, MySQL**
- ❖ **AI & Automation: n8n, LLM APIs, Prompt Engineering**

## EDUCATION

- ❖ MCA | Jain University Bengaluru | Distance (June '25 – current)
- ❖ BCA | Presidency University Bengaluru CGPA: 8.8 | (Sep '22 – May '25)
- ❖ XII (CBSE) | Delhi Public School , Udaipur 90% | 2022

## EXPERIENCE

- ❖ **Software Engineer | Arcgate Technologies LLP** (Jun 2025 - current)
  - Built and maintained data pipelines using Dagster and Python for data processing workflows
  - Developed backend systems using Flask and PostgreSQL for scalable applications
  - Deployed and managed cloud infrastructure on Azure (VMs, Functions)
  - Automated data workflows to improve reliability and efficiency
- ❖ **Paid Internships: Learning Buds, Codsoft, Skill Vertex, Acmegrade | 2023 – 2024**

## PROJECTS & CLIENT EXPERIENCE

- ❖ **Data Engineer (Client Project) | DoorDash (USA) | Jul 2025 – Present**
  - Engineered large-scale data pipelines and backend systems to support high-traffic production use cases
  - Optimized high-volume data workflows to improve performance and reliability
  - Streamlined API management and pipeline integrations across distributed systems
  - Worked in a US-based remote environment following production-level engineering standards
- ❖ **AI Data Engineer | Invisible Agent Project | Jun 2024 – Sep 2024**
  - Built AI-driven automation workflows using n8n and LLM integrations
  - Designed data pipelines for intelligent data routing and processing
  - Applied prompt engineering and evaluation techniques to improve AI output accuracy

- ❖ **Project Leader | Smart Education System | Dec 2024 – Jan 2025**
    - Led the full-cycle development of a university-level platform featuring real-time chat, virtual meetings, and automated attendance tracking.
    - Collaborated with stakeholders to successfully pitch and implement the solution across campus departments.
  - ❖ **Personal Portfolio | <https://harshul.online> | Jun 2024 – Sep 2024**
    - Built a full-stack personal portfolio using Flask, HTML5, CSS, and JavaScript
    - Showcases projects, skills, and experience
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## RESEARCH PAPERS

Published research on development and impact analysis of a travel application (JETIR)