

PULKIT SAXENA

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Rochester, NY 14623

PROFESSIONAL EXPERIENCE

Data Scientist | University of Rochester, Rochester, NY

Aug 2024 - Present

- Built research analytics platform processing 800GB+ data using **GBQ** for data-driven hiring and impact assessments
- Integrated **Large Language Models (LLMs)** into data pipelines, improving data preparation efficiency by 30%
- Configured **dbt** for data transformation, documentation, and MLOps workflows using modern data engineering practices
- Developed interactive dashboards with **Dash** and **Tableau**, increasing research focus and media coverage by 20%

Credit Risk Management (Data Science) Intern | T-Mobile, USA, Overland Park, KS

May 2023 - Aug 2023

- Engineered an automated Risk Strategy Simulation Tool, boosting team productivity by 40% using **Python/Pandas**
- Conducted in-depth analysis of a 35% policy deviation using **Snowflake, Databricks, and Pandas**
- Built RCA-inclusive alerts to detect policy deviations, reducing investigation time by 75%
- Migrated critical analysis pipeline from **SAS** to **Python**

Data Scientist | RedCarpetUp.com (YC S15), New Delhi, India

Apr 2019 - Jan 2021

- Led cross-functional teams of analysts and software engineers achieving 40% month-over-month credit disbursement growth
- Mentored junior analysts and interns, establishing machine learning best practices and data science workflows
- Owned end-to-end product development for credit risk assessment platform serving 500,000+ users
- Implemented **XGBoost**-based credit risk models with **A/B testing** across 4,000+ customers using statistical modeling
- Conducted **EDA** on 5TB customer data, identifying ₹5.2M revenue opportunities using **PostgreSQL, Pandas**
- Architected automated reporting systems using **Looker** and **Airflow**, boosting data analysis efficiency by 65%

Software Engineer | RedCarpetUp.com (YC S15), New Delhi, India

Oct 2017 - Mar 2019

- Built a CRM system for 500,000+ users with **Flask** and **PostgreSQL**, streamlining data management and analytics
- Set-up and managed card upgrade process for 100,000 monthly active users, ensuring regulatory compliance

Full Stack Developer Intern | Foodpost, Gurugram, India

Jan 2016 - Mar 2016

- Developed **RESTful APIs** and performed database operations using **PHP** (Codeigniter framework) and **SQL**
- Upgraded front-end (**HTML5, CSS3, Bootstrap**) and conducted load tests on system components using **jMeter**

EDUCATION

Master of Science - Data Science | Rochester Institute of Technology

Aug 2022 - May 2024

CGPA: 3.87/4.0 | Relevant Coursework: Machine Learning, Statistical Analysis, Big Data Analytics, Database Systems

Bachelor of Engineering - Computer Science | Visvesvaraya Technological University

Aug 2012 - May 2017

Relevant Coursework: Data Structures, Algorithms, Database Management, Software Engineering

TECHNICAL SKILLS

Programming & AI: Python, SQL, R, C++, LLMs, Machine Learning, Deep Learning, NLP, Computer Vision

ML/AI Frameworks: TensorFlow, PyTorch, sk-learn, XGBoost, MLOps, A/B Testing, Statistical Modeling, Feature Engineering

Cloud & Big Data: AWS (SageMaker, S3), Google Cloud Platform (GCP), BigQuery, Snowflake, Databricks, Apache Spark

Data Engineering & Tools: dbt, Apache Airflow, Docker, PostgreSQL, Tableau, Pandas, NumPy, Git, Linux, ETL/ELT

PROJECTS

Expansive Insights: Analyzing Developer ChatGPT Interactions

- Processed 107,000 developer interactions, ensuring data integrity with advanced filtering and deduplication
- Identified 16 single-turn and 8 multi-turn interaction types, illuminating GenAI's developer productivity impact

Mini-GPT: Simplistic Transformers Implementation

- Built and evaluated a Transformer-based language model from scratch using the Tiny Shakespeare dataset.

PUBLICATIONS

[Peer-to-peer Knowledge Sharing Platform for farmers with auto-recommendation feature](#)

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