

Sanidhya Chauhan

Tempe, Arizona - 85281 — sanidhyaschauhan@gmail.com — +1-602-576-8281 — linkedin.com/in/sanidhyachauhan/

EDUCATION

Arizona State University

Master's Degree: MS Computer Science

Relevant Courses: Distributed Software Development, Software Design, Software Requirements and Specification, Artificial Intelligence, Cloud Computing, Data Visualization, Data Mining

Thapar Institute of Engineering and Technology

BE Electronics and Communication - GPA:3.14/4

Relevant Courses: Operating Systems, Data Structures and Algorithms, Machine Learning

Tempe, Arizona

08/2023 - 05/2025

Patiala, India

07/2015 - 07/2019

WORK EXPERIENCE

EXL

Data Scientist - II

Gurgaon, India

04/2023 - 08/2023

- **Pricing Engine** Spearheaded the creation of an advanced pricing engine, employing an **XGBoost model(SMAPE: 33.5)**, which streamlined the pricing process for both existing and new products.
- **Product Clustering** Implemented a strategic clustering technique for products, creating models at the cluster level that improved price precision and reduced **SMAPE to 26.8**, enhancing pricing effectiveness.
- **Eliminated Manual Interventions** Eradicated the client's necessity for manual updates, while factoring in elements such as seasonality, market trends, time lags, and product attributes to deliver optimal and precise pricing **saving up 2 days worth of effort**.

Uber

Data Scientist

Hyderabad, India

11/2021 - 03/2023

- **Customer Segmentation** Dissected Uber Eats customer segments with clustering algorithms to tailor offers, **boosting ROI and elevating engagement by 28%**.
- **Menu Matching Strategy** Devised a strategy with the TF-IDF ML algorithm to compare restaurant pricing on Uber-Eats and competitors, detecting **45% with discrepancies over 20%**.
- **Twitter Sentiment Analysis for Uber Eats** Employed NLP algorithms to analyze user feedback, enhancing the **NPS score by an average of 0.7 points** across multiple geographies through strategic insights identification and application.

Amazon

Data Engineer

Bangalore, India

09/2020 - 11/2021

- **Business Reviews** Compiled and published **weekly and monthly business** reviews, highlighting metrics essential to e-commerce operations and scalability
- **Web Scraping Tool** Developed a **scraping tool** to retrieve real-time data of Global Selling merchants, **eliminating a 2-3 day lag** from data tables. Integrated this data into a dashboard to expedite critical decision-making and promote data-driven decision making.
- **Data Engineering** Orchestrated multiple pipelines, utilizing ETL Transform and Load jobs, to **ensuring streamlined end-to-end data consumption** leading to more informed decision-making and quicker responses to business needs for cross-functional teams.

United Airlines

Associate Analyst - Data Science

Gurgaon, India

07/2019 - 09/2020

- **Flight Recommendation Engine** Constructed a **collaborative-based recommendation engine**, now featured on united.com, which accelerated an incremental **revenue of 2 million dollars monthly**.
- **Personalized Customer Experience** Examined customer purchases across segments and established strategies to enhance real-time decision-making, adeptly balancing price-sensitive recommendations with personalized ones, leading to a **12% surge in recommendation take rates**.

ACADEMIC PROJECTS

Food Delivery System (Full Stack) Utilizing algorithm design, crafted an advanced food delivery system with distributed software, distributed systems, multithreading, event-driven programming and object-oriented design. Integrated third-party APIs using secure JWT authentication, managing session states and cookies efficiently. Developed with .NET and C#, this solution features a robust backend and user-friendly frontend, storing data in XML for seamless operation and enhanced service delivery.

Human-in-the-Loop Knowledge Addition to KGAMs Contributing to a visual analytics system for Human-in-the-Loop Knowledge Addition to KGAMs, aiming to enrich neural networks with external knowledge for advanced reasoning. Task involves backend optimization and frontend development, leveraging LLMs (GPT4, GPT3.5) for enhanced question-answering capabilities.

TECHNICAL SKILLS

Programming Languages Java, Python, C++, C, SQL, C#, Javascript, React, D3, HTML, CSS, GraphQL

Frameworks/Libraries TensorFlow, Keras, PyTorch, Amazon Web Services(AWS), Spark, Google Cloud, Agile, Postgres

Technologies Git, JIRA, Matlab, Autocad, DevOps, Full-Stack Software Development, Code Review, Docker, distributed storage

Technical Skill-set Data Structure & Algorithms, Image Processing, , Natural Language Processing(NLP), Non-Linear Modelling, Programming, Machine Learning(ML), Data Analytics, Data Science, A/B Testing, Predictive Modelling, Artificial Intelligence(AI), Deep Learning, Data Processing, Statistics, Regression, Forecasting, Data Analysis, Computer Engineering, Automation

SOCIAL WORK

Har Hath Kalam India Association Tutored English and Mathematics to underprivileged children and crafted courses for grades VI-XII. Directly interacted with beggars to offer transformative solutions.