# ANANT RAJPUROHIT

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## EDUCATION

**Syracuse University**                                                                                                       **Syracuse, New York**
*Master's in Computer Science*                                                                                              Aug 2022 - May 2024
- Coursework: Design and Analysis of Algorithms, Database Management Systems, Data Visualization, Social Media and Data Mining, Database Modelling and Warehousing, Structured Programming and Formal Methods

**Pune University**                                                                                                                        **Pune, India**
*Bachelor of Engineering - Computer Science, Minor in Artificial Intelligence*                          Aug 2018 - Jun 2022
- Coursework: Data Engineering, Software Engineering, Cloud, Business Intelligence & Analytics, Data Structures

## SKILLS

| | |
|---|---|
| **Programming:** | SQL, Python (Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn), HTML |
| **Databases & Cloud:** | MS SQL Server, Oracle, MySQL, PostgreSQL, Azure, AWS (S3, EC2, Redshift), Relational Database |
| **Tools:** | PowerBI, Tableau, MS Excel, ETL, DRF, Git, Docker, JIRA, SSMS, SSRS, SDLC, Microsoft PowerApps |

## PROFESSIONAL EXPERIENCE

**Database Developer Intern**                                                                                               **Sep 2020 - Jul 2022**
EvolvingX                                                                                                                                    Pune, India
- Spearheaded database design solutions for evaluating **500+** startups across India, enhancing decision accuracy and enabling startups to secure over **$2 million** in funding.
- Designed comprehensive data models, schema designs, and optimized SQL queries boosting decision-making accuracy by **25%** in startup evaluation**,** while collaborating on **API** integration and **testing** within an **agile** environment.
- Developed robust data warehouses and data models on **AWS** cloud and SQL Server, while ensuring normalization and data integrity, enhancing startup metric evaluation and boosting SQL query performance by up to **42%**.
- Engineered **ETL** pipelines with **Power BI** to create a **reporting system** and financial dashboard, delivering key startup KPIs on sales, valuation, funding, and market size, while optimizing data flow, achieving a 10% productivity boost.
- Integrated a **Machine Learning** model into the database architecture using **Python's** NumPy, Pandas, and the LSTM algorithm to forecast 3-year startup revenue trends with 85% accuracy, driving data-driven investment decisions.
- Led cross-functional team collaborations & trained 10 interns, accelerating team efficiency & project contributions.

**SQL Developer Intern**                                                                                                      **May 2020 - Aug 2020**
Oyester Systems                                                                                                                          Pune, India
- Developed SQL queries & **database objects**, including triggers, stored procedures, and functions, for transaction management in an **OLTP** system ensuring data integrity and supporting banking fraud detection.
- Engineered **financial dashboards** by integrating **Power BI** with **AWS Redshift**, enhancing visualization of critical financial KPIs and improving data-driven decision-making by 25% .
- Leveraged Natural Language Processing (**NLP)** to preprocess and clean data from diverse formats, standardizing input for integration into database systems, improving data quality, and streamlining reporting processes by 20%.

## PROJECTS

**Healthcare - Database enhancement**
- Designed a healthcare database system for managing patient info, scheduling & billing, for the University Medical Center patient data. Created **ER diagrams, data models**, and **schema designs**. Architected **stored procedures, triggers,** & **security** protocols enhancing data integrity & confidentiality, resulting 20% reduction in processing time.

**Customer Segmentation Engine**
- Built a dynamic segmentation engine for an e-commerce platform using SQL Server. Implemented a robust **database model** integrating customer demographics, purchase history, and browsing behavior to create segments in real-time. Created complex **stored procedures** and **triggers** to automatically update segments based on new data, optimizing marketing campaigns. Improved query performance by 45% through **indexing** and **normalization**.

**Social Network Analysis - Twitter Users**
- Conducted a comprehensive **statistical analysis** project utilizing Twitter API to collect real-time user data from over 80,000 users, focusing primarily on crawling followers, constructing **network graphs**, and extracting valuable insights into user activity, behavior, and connectivity patterns.

## PUBLICATION

**Order Management Convenience System |** *International Journal of Advances in Engineering Management, IJAEM-10983*
- Assessed automation's impact on system efficiency & user convenience, revealing a potential 60% increase in revenue