ANANT RAJPUROHIT

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EDUCATION

Syracuse University   **Syracuse, NY**
Masters in Computer Science   August 2022 - May 2024
- Coursework: Design and Analysis of Algorithms, Database Management System, Structured Programming and Formal Methods, Social Media and Data Mining, Operating Systems, Computer Architecture, Object Oriented Design

Pune University   **Pune, India**
Bachelor of Engineering - Computer Science, Minor in Artificial Intelligence   August 2018 - June 2022
- Coursework: Advance Data Structures, Data Engineering, Software Engineering, Object Oriented Programming

SKILLS

Languages   : Python, SQL, PL/SQL, C++, Java, Haskell
DataBase & Technology : Oracle, MS SQL Server, MySQL, AWS, Azure, GCP, Google Firebase, MongoDB
Frameworks & Tools   : Tableau, Power BI, Apache Airflow, Django Rest Framework, Git, Docker, Excel, JIRA

PROFESSIONAL EXPERIENCE

Data Engineer Intern   **September 2020 - February 2022**
EvolvingX   Pune, India
- Developed a training portal tailored for emerging startups. Strategized a structured approach using agile methodology to execute key project phases from persona building and wireframe drafting to data modeling, API creation, business analysis and rigorous testing phases
- Designed Python and SQL scripts for capturing, processing, and transformation of intricate financial data, contributing in 25% increase in data processing efficiency
- Engineered efficient data warehouses, data models and ETL pipelines using Python & Apache Airflow to process and transform raw data, slashing manual processing and enhancing efficiency by 40%
- Integrated Tableau with Python's NumPy & Pandas libraries to create financial dashboard & reporting system, delivering vital startup KPIs based on sales, valuation, funding, & market size, achieving a 10% productivity boost
- Orchestrating optimization of AWS cloud infrastructure, tactically configuring S3 buckets and fine-tuning EC2 instances to enhance data security, scalability, and cost-effectiveness
- Built robust RESTful APIs with Django REST Framework for data transfer, authentication, and handling logic facilitating seamless communication between web components. Enforced security applying JWT authentication, permission logic, data serialization, and validation, resulting in a 20% reduction in unauthorized API calls

Data Analyst Intern   **May 2020 - August 2020**
Oyster IT Campus   Kerala, India
- Developed a financial dashboard by integrating Tableau with AWS Redshift, enhancing visualization of critical financial KPIs and improving the PMO team's data-driven decision-making by 25%
- Identified potential banking fraud by analyzing outliers, patterns, & trends using ETL processes, SQL queries, and procedures with SQL Server Integration Services and SQL Server Management Studio, driving business decisions and innovation through comprehensive data analysis and detailed reporting to key stakeholders. Leveraged NLP for data cleaning, preprocessing, & analysis
- Associated 10+ sub projects, programming intelligent systems adopting data warehousing, ML, and automation

PROJECTS

Social Network Analysis of Twitter Users
- Conducted a comprehensive social network analysis project utilizing Twitter API to collect real-time user data from over 60,000 users, focusing primarily on crawling followers, constructing network graphs, and extracting valuable insights into user activity, behavior, and connectivity patterns **|** Technology: Twitter API, NetworkX, Data Mining

Patient Care - Database enhancement project
- Designed a healthcare database system for managing patient info, scheduling & billing, focusing on University Medical Center patient data. Architected stored procedures, triggers, database packages, & security measures ensuring data integrity & confidentiality, resulting 20% reduction in processing time **|** Technology : SQL server, Tableau

Jamo - Android application for Restaurant management
- Created, deployed, & maintained an end-to-end Restaurant Management System, automating operations with order management, inventory tracking, sales reporting, & authentication; achieved 40% reduction in processing delay **|** Technology : Android Studio, Firebase, Google Calendar API, Google Maps API, YouTube API

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