

SHUBHAM RATHI

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Arlington, Tx-76010

EXPERIENCE

Application Development Analyst | Accenture – Hyderabad, India

August 2019 – July 2021

- Involved in analysing, designing, building, and configuring applications to meet business process and application requirements in Tableau
- Worked on an onsite and internal project to create a detailed business analysis, outlining problems, opportunities, and solutions for a business with Python
- Optimized the DB queries for fetching records leading to a reduction in lag time in an application by 17%
- Developed Web pages, Data Access object, XML file creation making use of Java, SQL, Spring Framework
- Completed 100% projects ahead of schedule and under budget, saving time and cost for company through proper planning and skills

Graduate Teaching Assistant | The University of Texas at Arlington

December 2023 – Present

- Helping in a range of teaching and assessment activities including tutorials directed towards the delivery of Data Mining subjects at the graduate level
- Supporting practical-led approach on skills methods and techniques to assist the transfer of knowledge by holding sessions

EDUCATION

The University of Texas at Arlington

May 2023 (expected)

- Master of Science in Information Systems GPA: 3.67/4.0
- Coursework: Applied Database Management, Data Science, Advanced Methods for Analytics, Data warehousing, Data mining

Savitribai Phule Pune University | Pune, India

May 2019

- Bachelor of Engineering in Electronic and Telecommunication Engineering GPA: 7.16/10

ACADEMIC PROJECTS

Chicago Divvy Bicycles: Increase Cyclist's Bike-Share Membership

December 2021

- Analysed rider's ride history data and demographics using Data Visualization techniques in Tableau
- Utilized Prediction techniques: Multiple linear regression, KNN, Naïve Bayes Classification algorithms to address business and social questions
- Constructed on SAS Enterprise, Tableau, and Python to apply data mining knowledge to real-life data and to mine managerial relevant insights

Universal Furniture Outlet (UFO)

December 2021

- Build an information system for the Universal Furniture Outlet to manage its operations in SQL
- Designed E-R diagrams using crow's foot notation, relational schema, and data dictionary for database
- Constructed 7 tables in Oracle to implement the UFO database

CERTIFICATIONS

- Certified in Microsoft Azure Fundamentals from Microsoft Platform December 2019
- Completed Bootcamp "Zero to Hero in Python" online course on Udemy May 2021
- AWS Certified Developer – Associate training at A Cloud Guru Platform July 2020

LANGUAGES AND TECHNOLOGIES

- Languages and Libraries:** Python (Pandas, NumPy, Scikit-learn/Sklearn, Matplotlib), SQL, R programming, Java
- Applications:** Tableau, Anaconda, SAS Enterprise, Microsoft Excel, Power BI
- Skills:** Predictive and Descriptive Modelling, Data Visualization, Data Analysis, RDBMS, Statistics, Agile, PostgreSQL
- Machine Learning Algorithms:** Classification Model, Clustering Model, Decision Tree, K-NN, SVM, PCA
- Soft skills:** Team Player, Excellent Communication, Motivated, Problem solving, Attention to Detail, Efficiency

ACHIEVEMENTS

- Best BE project award for project "Automatic Toll Management and Penalty System using ANPR, System" in terms of objective, teamwork, presentation in E&TC department April 2019
- Letter of Appreciation from College Principal for outstanding leadership/head for Electronics and Telecommunication Student Association during Techtonic 2018– 2019 February 2019

EXTRA CURRICULAR ACTIVITIES

Member of Rotaract Club at SAOE

December 2018

- Volunteered to educate people about importance of bees to environment
- Volunteered for 15+ hours in flood relief drives

Member of Data Science club at UTA

September 2021 – Present

- Collaborated with leadership to organize university and community volunteering events