

Ankit Pradeep Patel

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OBJECTIVE

Highly motivated and adaptable individual seeking to contribute skills for the benefit of the company. Proficient knowledge of various tools and technologies used to create, query and maintain databases and perform data analysis.

EDUCATION

M.S. Computer Science | Binghamton University, SUNY

Aug 2017 - May 2019

B.E. Information Technology | University of Mumbai, India

Aug 2013 - May 2017

TECHNICAL SKILLS

Languages : Java, Python, SQL, PL/SQL, C.

Tools : SQL Plus, SAS, Tableau, MS Excel, MS Word, VS Code, Git, Bitbucket, Eclipse IDE.

DBMS : MySQL, Oracle.

Additional : Physical Data Modeling, Linux, Windows, HTML, CSS, Relational Databases Management System, Database Application Development, ODBC, Data Preprocessing, Data Analysis, Statistics, Data Mining, Machine Learning, Microsoft Office.

Certification : Oracle Certified Professional Java Programmer, SAS Programming (Coursera).

WORK EXPERIENCE

IT Technician - Student Assistant | Binghamton University, SUNY

June 2018 - May 2019

- Provided desktop computer support to faculty, staff, and students of the School of Management; responded to calls and emails; diagnosed and solved hardware and software problems and managed equipment inventory
- Ensured proper functioning of office and classroom equipment by performing updates and checkups every month

PROJECTS

Analysis of TSA Claims Data Using SAS

August 2019

- Prepared and validated the claims data of 220,855 records to perform statistical analysis on claim incidents that occurred in the US every year from 2002 to 2017 and exported findings into a pdf report. **Tech Stack:** SAS, Excel

Finding Best-Suited Position Based on Football Player's Skills

Binghamton University, April 2019

- Built an XGBoost model that used player data to find the best playing position for a new player
- preprocessed data and conducted EDA to exclude insignificant attributes; tuned hyperparameters to improve model performance from 87.54% to 89.15%. **Tech Stack:** Python, Pandas, NumPy, Scikit-learn

Student Registration System

Binghamton University, Sept 2018 - Nov 2018

- Developed an application to enroll a student; used a series of PL/SQL procedures, triggers to query, store and retrieve student information from the Oracle 12c database. **Tech Stack:** SQL, PL/SQL, Java, Oracle 12c, ODBC

Recommender System

Binghamton University, Jan 2018 - April 2018

- Built a recommender system to predict the rating for unrated products by using neighborhood-based collaborative filtering on a dataset of 80,000 records of 943 users and 1682 items
- Computed the similarity using Pearson coefficient of correlation as it reduced the execution time and improved accuracy. **Tech Stack:** Java, Eclipse IDE, Excel

Information Retrieval System

Binghamton University, Sept 2017 - Dec 2017

- Built an IR System that performs retrieval of relevant HTML documents (movie reviews) containing query terms entered by the user and maintained a dictionary of index terms and documents table to reduce search time
- Used Apache commons library to perform data extraction. **Tech Stack:** Java, Apache Commons Lang, Eclipse IDE

EXTRA-CURRICULAR ACTIVITIES

- Member - BUDSA (Binghamton University Data Science and Analytics)
- Member - Binghamton University Astronomy Club
- Creative Head and Volunteer - IET (Institution of Engineering and Technology, India)