

# 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 develop applications.

## 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, JavaScript, C, SQL, PL/SQL.

**Technologies** : Spring, Spring Boot, Spring MVC, Spring Data, JAX-RS, JSP, Servlets, JUnit 5.

**Databases** : MySQL, Oracle, Apache Derby.

**Tools** : SQL Plus, VS Code, GitHub, Spring Tool Suite, Eclipse IDE, MS Office, SAS, Tableau.

**Additional** : HTML, CSS, Bootstrap, JDBC, Web Application Development, Data Modeling, Linux, Data Analysis.

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

## WORK EXPERIENCE

**Technical Support | 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

**Banking Application**

**Binghamton University, May 2019**

- Developed an application to create a bank account and perform all the bank operations; integrated data using DAO Support classes; implemented connection pooling using Apache Commons DBCP
- Developed a REST API using Spring Boot and performed CRUD operations using Spring Data JPA
- **Tech Stack:** Spring, Spring Boot, Spring Data JPA, Java, SQL, JDBC, Apache Derby, Maven, Postman

**Student Registration System**

**Binghamton University, Sept 2018 - Nov 2018**

- Developed a web application to register a student; implemented complex SQL queries to store and retrieve information; used Java Servlets for back end processing and database connection; developed UI using JSP, HTML, CSS, and Bootstrap
- **Tech Stack:** SQL, PL/SQL, Java, JSP, Servlets, MySQL, JDBC, HTML, CSS, Bootstrap

**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

**Analysis of TSA Claims Data Using SAS**

**August 2017**

- Prepared and validated the claims data of 220,855 records to perform statistical analysis **Tech Stack:** SAS, Excel

## EXTRA-CURRICULAR ACTIVITIES

- Member of BUDSA (Binghamton University Data Science and Analytics)
- Member of Binghamton University Astronomy Club
- Creative Head and Volunteer for IET, India – led the creative team to create and advertise posters and presentation