

Akansha Kalra

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EDUCATION

Master of Science – Computer Science
University of Houston, Texas, USA

GPA: 3.7
Graduating May 2017

Bachelor of Technology, Computer Science & Engineering
Kurukshetra University, INDIA

CGPA: 3.8
June 2013

EXPERIENCE

Instructional Assistant, Energy Research Park, University of Houston

Sept 2015 – Present

- Provide administrative support at the Enterprise Systems Business Office. Manage team calendar, scheduling meetings, interviews and general support to the staff.
- Resolve technical issues and bugs using PeopleSoft Application Designer and PL/SQL.

Associate Systems Engineer, IBM India

Feb'14 – July'15

- Configuration and build Manager for the Release and Configuration Team in IKEA Ecommerce Project.
- Took responsibility of end to end configuration management of components, creating builds, deployment to different environments and troubleshooting.
- Ensured accurate tracking, task planning and effective communication with development, testing and infrastructure teams for deployments using the IBM Rational Team Concert (RTC).

PROJECTS

Chirper : Small scale Twitter website

- Developed web application using Ruby on Rails where users sign up to interact with each other by posting short messages.
- Allowed basic CRUD operations for authorized users.

ER model and OLTP for an Airline Database

- Developed online transaction processing java program which emulates Airlines reservation system. The program can process hundreds of concurrent reservation requests.
- It is fail-safe program which updates the database. The database maintains its ACID properties. Wrote many Postgres procedures to update on the database side.

Normalization of database through SQL Queries

- Developed java program that generated SQL queries depending on the table structure (keys)
- It tells if the table is in all normal forms or not, if the table is not in 3NF, then it decomposes the given table into multiple tables. Used HP Vertica running on Linux, Java JDBC, SQL

Boolean Text Retrieval

- Developed Boolean Text retrieval application by parsing a given collection of documents.
- The java program developed is capable of Union, Intersection, Negation queries.

SKILLS

- Programming: Core Java, Python, Ruby on Rails, PeopleSoft
- Databases: PL/SQL, Postgres
- Web Programming: HTML, CSS