

# Krunal A Patel

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[LinkedIn](#)

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## EDUCATION

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**California State University, Los Angeles, CA, USA**  
*Masters in Computer Science*

2015 - 2017  
**GPA: 3.86/4.0**

**Gujarat Technological University, Gujarat, India**  
*Bachelors in Computer Engineering*

2011 - 2015  
**GPA: 7.77/10.0**

## EXPERIENCE

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**Gujarat Electricity Board, Vadodara, Gujarat, India**  
Web Developer Intern

**July 2014 - May 2015**

- Developed a web application "Online Project Tendering Application" using ASP.NET, C#, AJAX, CSS which served purpose of managing vendors history and expertise in recent 5 years.
- Developed a mobile application for "Project Tracking" in ANDROID for staffs of company to track milestones of project and generate report quickly.

## PROJECTS

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**SPOT-Search Engine**

**Jan 2016 - March 2016**

(Java, Apache Tika, Maven, Lucene, JSON)

- Implemented a custom multi-threaded crawling algorithm
- Analyzed metadata of downloaded documents.
- Ranked web pages using TF-IDF score for documents for indexing.
- Applied time constraints for Search process.

**GAPP(Graduate Application)**

**Jan 2016 - March 2016**

(Spring Framework, Hibernate, JPA, Postgres Database, AJAX, CSS)

- Developed an application for managing applications of Graduate Students for various departments in University.

**Lease Management System**

**Sept 2015 - Dec 2015**

(Servlet, JSP, MySql Database)

- Developed a web application that allows users to look for apartments and make appointments with manager for buy/rent process.

**TV Shows Analysis**

**Apr 2016 - June 2016**

(Java, Python, MongoDB, Elasticsearch, Kibana, JSOUP)

- Linked collected data with IMDB API to get fetching meta-data of TV Shows.
- Analyzed subtitles to determine the category of the TV Show.

**NAVCAM(Simulated Mars Rover)**

**Sept 2015 - Dec 2015**

(Java, Json, Threading, Image Processing, OpenCV)

- Implemented a custom Navigation Algorithm for path finding for Swarm Rover Robots.
- Combined and processed 4 images merging into a single image.
- Parsed Image data to Json for Client Side display.

## SKILLS

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- **Programming Languages** : JAVA, C#, C++, C, PHP, Python, Android
- **Web Technologies**: HTML5/CSS3, JavaScript, AJAX, JQuery, JSON, XML
- **Database**: MS SQL Server, MySQL, PostgreSQL, MongoDB
- **Version Control** : Github, SVN
- **Build Automation Tool**: Maven, Gradle
- **Frameworks**: Spring-MVC, Hibernate, .NET
- **Design Patters**: MVC, Singleton, Factory