Akhilesh **Jichkar**

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Summary

Aiming to kick start my career in the Bay Area as a Data Scientist, beginning this summer. Enthusiastic about Machine Learning and Data Mining, and intend to develop innovative projects in the same. Interested in learning new tools and techniques to solve challenging tasks in an unconventional, yet efficient manner.

Skills

- *Languages*: Java, Python, C++, SQL, C#, R, LaTeX, UML
- *Web*: ASP.NET MVC, PHP, JavaScript, CSS3
- *Graphics*: OpenCV, OpenFrameworks, OpenGL, MATLAB
- *Data Analytics*: Tableau, MicroStrategy
- *Tools*: TensorFlow, Android, Hadoop
- *Other*: Leadership, Teamwork, Creativity, Quick Learner

Work Experience

InfoCepts   *Nagpur, India*
INTERN - BI DEVELOPMENT MODULE (TABLEAU)   *Jan. 2017 - Apr. 2017*

- Implemented a dashboard which summarizes the World Development Report, published by the World Bank in 2014.
- The dashboard gives an insight into the development of 133 countries and over many years across factors such as GDP, Sex Ratio, Carbon Emission, Natural Disasters, etc.
- The dashboard was implemented using Tableau and the ETL processes were carried out using MS-SQL.

InfoCepts   *Nagpur, India*
INTERN - MICROSTRATEGY   *May 2016 - Aug. 2016*

- Implemented a dashboard which gives an insight into the crime statistics in the USA between the years 2012 and 2014 on Country, State and City level.
- The dashboard uses FBI dataset and includes data of crimes that took place in USA against people, property and society.
- The dashboard was implemented using MicroStrategy and the ETL processes were carried out intensively using MS-SQL database.

ADCC Infocad   *Nagpur, India*
INTERN - ANDROID DEVELOPER   *Jun. 2015*

- Implemented a Library Management System consisting of a Database server and an Android Application from scratch.
- The Application scanned the unique QR Code of a book to provide information about the book and also to check out or return the book.
- The system was implemented using MS-Access Database which communicates to the Application using JSON (RestAPI).

Academic Projects

Journey of a Spacecraft   *User Interface Design*
JAVASCRIPT, D3, WEBGL, NODEJS   *Jan. 2018- Exp. May. 2018*

- The objective of this project is to create a 3D representation of various satellites orbiting the earth and the moon.
- The user will be able to search for a spacecraft and track its trajectory. Also, information about the spacecraft and related missions would be displayed.
- The project makes use of WebGL and satellite.js libraries and the satellite trajectory data is collected from Space.Track.org.

Yelp Insights and Recommendation System   *Big Data*
HADOOP, HIVE, JAVA, TABLEAU, MS-SQL   *Jan. 2018- Exp. May. 2018*

- The objective is to implement a recommendation system using the Yelp Challenge Dataset.
- Data analytics would be performed using Hive and a dashboard would be generated in Tableau showing summarized analysis.
- Sentiment analysis, user credibility check, and information verity check on the Yelp dataset would be performed.

Intelligent Mobility Aid for the Visually Impaired   *Artificial Intelligence*
TENSORFLOW OBJECT DETECTION API, ANDROID, PYTHON, DOCKER   *Aug. 2017- Dec. 2017*

- Implemented an Android Application to help visually impaired users navigate the streets just by using an Android smart phone.
- The application was developed using Tensorflow which detects common obstacles on the streets in real time with 92.15% accuracy, and alerts the user via auditory feedback.

Smart Fire Alarm System   *Computer Vision*
C++, OPENCV   *Jan. 2017 - May 2017*

- Implemented a Smart Fire Alarm System that continuously monitors CCTV feeds to identify fire and smoke, and alerts the user accordingly.
- The system was implemented using C++ and OpenCV, wherein SVM libraries were used to reduce false alarm rate.

Health Insurance Premium Calculator   *Machine Learning*

R, PHP, MySQL   *Aug. 2016 - Dec. 2016*

- Implemented a health risk prediction agent, which acquires data from JAWBONE UP24 fitness band to assess the health of an individual, and using this data, calculates the health insurance premium of the user.
- The agent was implemented using classification trees in R, and the user interface was created using PHP-MySQL.

SYMACO - Content Management System   *Web Development*

ASP.NET MVC, C#, MS-SQL, JavaScript, CSS3   *Aug. 2015 - May 2016*

- Implemented a Content Management System which allows users to create their own website and/or blog site. User can choose one of the many templates available on SYMACO to publish content on the website/blog site.
- The system was implemented using ASP.NET and Microsoft SQL Database, CSS and Bootstrap.

Education

San Jose State University   *San Jose, CA*

Master of Science in Computer Science   *Aug. 2017 - Exp. May 2019*

Shri Ramdeobaba College of Engineering and Management   *Nagpur, India*

Bachelor of Engineering in Computer Science and Engineering   *Jul. 2013 - May 2017*

Honors and Awards

2016	**Best Interviewee**, MicroStrategy Internship Program	*InfoCepts, Nagpur*
2016	**Joint Technical Coordinator**, Polaris 2016	*SRCOEM, Nagpur*
2015	**Branch Coordinator**, Student Mentor Forum	*SRCOEM, Nagpur*
2014	**Best Section / Class Representative**, Freshers SRCOEM	*SRCOEM, Nagpur*