Akhilesh Jichkar

Aspiring Data Scientist · AI Enthusiast · Software Developer

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Education

San Jose State University | San Jose, CA   *Exp. May 2019*
Master of Science in Computer Science

Shri Ramdeobaba College of Engineering and Management | Nagpur, India   *May 2017*
Bachelor of Engineering in Computer Science and Engineering

Skills

- **Languages**: Java, Python, C++, C#, SQL, R, LaTeX, UML
- **Web**: JavaScript, Angular, React, ASP.NET, PHP, CSS
- **Graphics**: OpenFrameworks, WebGL, Photoshop
- **Data Analytics**: Tableau, MicroStrategy, Weka, Orange
- **Tools**: TensorFlow, Keras, Hadoop, Spark, Android, iOS
- **Soft Skills**: Team leader, Initiator, Prolific, Disciplined

Work Experience

InfoCepts · Nagpur, India   *Jan. 2017 - Apr. 2017*
Intern - BI Development Module (Tableau)
- Implemented a dashboard to summarize the World Development Report-2014 and to give insights into the development of 133 countries across factors such as GDP, Sex Ratio, Carbon Emission and Natural Disasters.
- Calculated information gain and chi squared correlation to find the most important attributes from over 200 attributes.
- Performed ETL preprocessing in Excel, and executed complex SQL queries in MS-SQL to create a dashboard in Tableau.

InfoCepts · Nagpur, India   *May 2016 - Aug. 2016*
Intern - MicroStrategy
- Implemented a dashboard to derive insights from the crime statistics in the USA between the years 2012 to 2014.
- Led a team of five effectively to create Logical and Physical data models, converted the raw data in 3NF format, and created dashboards from the generated reports.
- Set up the MicroStrategy Server using Apache Tomcat to establish the connection between MS-SQL and MicroStrategy.

ADCC Infocad · Nagpur, India   *Jun. 2015*
Intern - Android Developer
- Implemented a Library Management System consisting of a database server and an Android application from scratch.
- Developed an autonomous system which scanned QR codes for faster checkout of library books.
- Effectively built a system using RestAPI to communicate between the Android application and MS-SQL database using JSON.

Academic Projects

Lyrvana- Music Search Application   *Jan. 2018 - May. 2018*
Tools: Elasticsearch, JavaScript, Python, PHP, CURL
- Created a lyrics based music search engine using Elasticsearch, enabling users to find the lyrics for their favorite songs.
- Calculated information gain and chi squared correlation to find the most important attributes from over 200 attributes.
- Developed the frontend using JavaScript and CURL to query the Elasticsearch cluster, significantly reducing query response time.

Intelligent Mobility Aid for the Visually Impaired   *Aug. 2017 - Dec. 2017*
Tools: TensorFlow, Android, Python, Docker
- Implemented an Android application to help visually impaired users navigate the streets by using an Android smart phone.
- Trained the application to detect common obstacles in real time with 92.15% accuracy and alert the user via auditory feedback.

Purchase Fulfillment System   *Aug. 2017 - Dec. 2017*
Tools: UML, Java, WordPress, AWS
- Created Use case and Domain models for Purchase Fulfillment System as a subsystem of the Enterprise Resource Planning System.
- Designed a pipeline for the PFS to implement the stages from product checkout to product delivery, effectively ensuring that the customer, inventory management system and the shipping system are kept up to date during all stages of the fulfillment process.

SYMACO- Content Management System   *Aug. 2015 - May 2016*
Tools: ASP.NET MVC, C#, MS-SQL, JavaScript, OAuth, CSS3
- Implemented a Content Management System which allows users to create their own website and/or blog site.
- Effectively led a team of five to develop a WYSIWIG functionality, while researching and implementing the best methods for CMS.
- Designed numerous website template plugins for the users to choose to publish content on their website/blog site.

Honors and Awards

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

Organizations

Spartan Hyperloop · SJSU Data Science Club · Spartan Analytics · Indian Student Organization SJSU · Photography Guild