



RAVINDER SINGH

Sr. Data Analyst

PROFILE

I am working in the field of data science with my knowledge and passion so as to train students about various tools and skills through which they can work for the betterment of society using data analytics and data science. My passion and willingness are the key drivers for the success of my career. I strongly believe in sharing knowledge among people so that they will be benefitted from various fields they are working in. I am always open to respecting the environment as part of a dedicated team and will always like to contribute to the growth of the company using my skills.

CAREER

- A dynamic professional with above 7 years of experience in Teaching and Training in analytics field especially Data Science.
- Expertise in working on big datasets for Extraction, Transformation and Loading.
- Expertise in data analytics tools like R, Tableau, Excel, Oracle and SAS.

EXPERIENCE

- 2020
DITECH (Government Haryana) | Chandigarh, Punjab
Senior Data Analyst
- 2020 - Current (Part Time)
Gate Smashers | Youtube
Data Science Coaching Expert
- 2013 - 2020
Lovely Professional University | Jalandhar, Punjab
Assistant Professor

AWARDS & CERTIFICATION

- Awarded with appreciation letter from Honorable CM of Haryana for developing CM Dashboard
- Certified Tableau Desktop Specialist by Tableau, 9th May, 2020
- Qualified UGC-NET (NTA) for Computer Science and Applications, December 2019
- Received Elite NPTEL Online Certificate on DATABASE MANAGEMENT SYSTEM, 2019
- Certified Master Educator by Adobe Digital Disha, at Lovely Professional University, 2019
- Received Teacher Appreciation Award (Best Teacher), at Lovely Professional University, 2018
- EMC2 Certified as EMC academic associate in Information Storage Management, November 2014

CONTACT

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EDUCATION

- 2023
PhD (CSE Pursuing)
Chitkara University, Rajpura

- 2013
Masters (M.Tech CSE)
Lovely Professional University,
Phagwara
- 2012
Bachelors (B.Tech CSE)
Lovely Professional University,
Phagwara

SPECIALIZATION

- Databases and Analytics
- Artificial Intelligence
- Machine Learning
- Computer Networks and Security

LANGUAGES KNOWN

- English
- Hindi
- Punjabi

PROJECTS UNDERTAKEN

Live Project Name: CM Dashboard

Objective: To build analytical dashboards for Honorable CM Haryana for easy Decision Making.

Description: A Chief Minister analytics dashboard designed to track state departments in terms of persona details & have several impacts on governance and decision-making. Here are some impacts that CM Dashboard have shown in Haryana from 2022 to current date:

- Enhanced Data-Driven Decision Making
- Improved Resource Allocation
- Monitoring Department Performance
- Customized Service Delivery
- Early Identification of Issues
- Transparent and Open Governance
- Automated data collection
- Real time data updates
- Predictive Analytics
- Workflow & task automation
- Inter-departmental collaborations
- Improves operational efficiency
- Proactive problem solving

Currently

- 30+ Departments are onboarded
- 50 Lac+ records of data is daily analysed to provide insights
- In Dashboard summary data is further drilldown to lowest level i.e upto citizen level where honorable CM can call to citizens and designated officers randomly and take decisions accordingly.

Appreciation: Awarded with appreciation letter from Honorable CM of Haryana on Haryana Diwas on 1 Nov 2022.

Live Project Name: Antyodaya Saral

Objective: To deliver citizen-centric services

Description: Antyodaya Saral is a citizen-centric digital platform that brought 550+ G2C services and schemes on a common platform for 41 departments of Govt of Haryana. Portal has processed more than 3.9 crores of applications to date. Platinum Award received by the President of India in December 2020, for 'Excellence in digital Governance - State/UT'. It is a citizen-centric digital platform that streamlined 550+ G2C services and schemes across 41 state departments of Govt of Haryana and has processed 3.93 crores of applications since 2018. It offers a centralized grievance redressal mechanism to ensure time-bound resolution of the 1lakh+ monthly service-related queries and complaints received from citizens on a toll-free number. Developed Dashboards (Applications Distribution Dashboard, RTS dashboard, Grievance Dashboard, Call Center Dashboard, and IVRS Dashboard) for bureaucrats so that they can easily understand the ongoing issues and performances of departments and districts. Effectively Monitoring and Evaluating departments and districts with various metrics using a dynamic composite score that reflects the everyday performance of every district and department. Conducts separate monthly reviews for Department Administrative officers and District Commissioners led a cross-functional team of 22 associates placed with the Deputy Commissioners of respective districts across Haryana to ensure effective implementation of the project across the state. Facilitated inter-departmental coordination among the CM Office, National Informatics Centre, Haryana, and the nodal officers of 41 State Departments.

Appreciation: Platinum award received by President of India in Dec 2020.

Live Project Name: AAS (Auto Appeal System)

Objective: To deliver citizen services on time according to RTS Act.

Description: Upon superannuation of Shri T.C. Gupta, who was appointed as Chief Commissioner, Haryana Right to Service Commission on 15/06/2021, whereafter he picked up the Auto Appeal System and got the rules amended to the effect of enabling filing of system generated appeals. Auto Appeal System was finally launched by the Hon'ble Chief Minister Haryana, Sh. Manohar Lal on 01/09/2021. RTS is citizens' right for any government service to be delivered in a fixed time span, where if service is not delivered timely then citizens can file the appeal to the RTS office regarding the late delivery of service or unsatisfactory response of designated officer. But as citizens are not aware of their rights and don't want to go into the hassle of filing appeals. So a system is developed where AUTO APPEALS will be generated, whenever any service that was filed online through the Department portal or Saral Haryana Portal (Online Portal in Haryana for applying 640+ services and schemes for 45+ Departments) and is not delivered according to RTS Time limit. Depending upon the status of the appeal designated officer can be penalized by RTS Commissioner for not completing the task timely. HRTSC (Haryana Right to Service Commission) has amended the rule of appeals, coordinated for legal work, and managed appeals that got filed. NIC Haryana (National Informatics Center) was the development Team. Ditech Haryana (Department of Information Technology, Electronics, and Communication) have provided operational support and data analytics support

Project Name: UNT (Use Never Throw)

Platform Used: PHP

Objective: To create a social application for improving hygiene.

Description: Worked for a web portal, app, and smart dustbin that will give the users/customers money in terms of the waste they throw in the dustbin, project worked as an entrepreneur project where the project has a revenue model to sell the waste to recycling companies.

- UNT was registered under STARTUP INDIA
- UNT was incubated and got a certificate from STEP GNE College Ludhiana, maintained by DST
- UNT has been shortlisted in the EFFECTUS ELEVATOR PITCH at Chandigarh University, 2017.
- UNT has been shortlisted in the EFFECTUS ELEVATOR PITCH at Chandigarh University, in 2017.

Project Name: Self Kare

Platform Used: PHP

Objective: To create a social application for medical issues.

Description: Worked for a web portal on the medical issues in which users will be given information regarding various first aids, area-wise medical store locations, an appointment with doctors, ambulance search and call, and blood bank.

Project Name: Advanced Quiz

Platform Used: PHP

Objective: To create a Quiz interface that will not be having any security problem.

Description: Worked for a web portal on the medical issues in which users will be given information regarding various first aids, area-wise medical store locations, an appointment with doctors, ambulance search and call, and blood bank.

RESEARCH PUBLICATIONS

Total Publications: 14 | Total Citations: 30

1. A hybrid approach for enhancing accuracy and detecting sarcasm in sentiment analysis
S Gupta, R Singh, J Singh 2020 IEEE International Conference on Computing, Power and Communication Technologies (GUCON)
2. Comparative Analysis of Comfort Prediction in Web Tracking using different Classifiers
Ravinder Singh, Jaisukhpal Singh Journal of Advanced Research in Dynamical and Control Systems
3. Jaisukhpal Singh, Ravinder Singh, Gulshan Kumar, "M-ary based Spectrum Sensing Approach for Cognitive Radio under Different Fading Channels", International Conference on Image Information Processing, Solan, October 2019
4. Ravinder Singh, Kashish Thakur, "Prevention of IP spoofing attack in cyber using artificial Bee colony and artificial neural network", International Conference on Advanced Informatics for Computing Research, Shimla, June 2019
5. Ravinder Singh, Udipto Goswami, "Implementing hybrid data storage with hybrid search", International Conference on Advanced Informatics for Computing Research, Shimla, June 2019
6. Ravinder Singh, Shaina Gupta, "EMOTICON AND TEXT SARCASM DETECTION IN SENTIMENT ANALYSIS", International Conference on Sustainable Technologies for Computational Intelligence, Jaipur, January 2019
7. Ravinder Singh, Shamsher Singh, "A Viewpoint on different Data Deduplication Systems and allied issues", Progress in Advanced Computing and Intelligent Engineering © Springer Nature Singapore Pte Ltd. 2018
8. Ravinder Singh, Shamsher Singh, "Next Level Approach of Data Deduplication in the Era of Big Data", International Journal of Advanced Research in Computer Science, May 2017
9. Gurpreet singh, Ravinder Singh "TAODV Routing Protocol for Clustered Mobile Ad-hoc Network with Energy Saving and Fault Reduction", Shannon Lpu, 2015
10. Akshay sood, Ravinder Singh "A Survey of Performance Improvement Techniques for Hadoop", International conference on advanced applied engineering and technology, 2015
11. Vaishali agarwal, Ravinder Singh, "Attack Detection through Distance Calculation in VANET", International conference on advanced applied engineering and technology, 2015
12. Ravinder singh, "Vehicular Ad-hoc Network: A Review", International journal for advance research in engineering and technology, Volume 2, Issue VII, July 2014
13. Ravinder singh, "Design of trust model based on ideas of Localization in opportunistic networks", International Journal of Scientific & Engineering Research, Volume 4, Issue 6, June-2013
14. Ravinder singh, Tanisha Saini, "Counterfeiting ATM security", National conference at IET Bhaddal, 2013

PAPERS ACCEPTED:

- Udipto goswami, Ravinder singh, "Comparison between Relational Databases and Document Based Databases", International Journal of Recent Technology and Engineering, 2019
- Kashish thakur, Ravinder singh, "Comparative Analysis of Comfort Prediction in Web Tracking using different Classifiers", International Conference on News Trends in Engineering and Technology, 2018
- Sugam dhalla, Ravinder singh, "Comparative Analysis and Enhancement in AODV Protocol for Path Establishment using Swarm Intelligence in MANETs", International Conference on Information and Communication Systems, 2016
- Nidhi, Ravinder Singh, "Summarizing Customer Reviews: A Text Summarization Approach", International conference on advanced applied engineering and technology, 2015

LICENSES & CERTIFICATIONS

- **BIG DATA ANALYTICS**

Ministry of Electronics and Information Technology | Issued Jan 2022

- **Tableau Desktop Qualified Associate Certification**

Tableau | Issued May 2020

- **Tableau Author Badge**

Tableau | Issued Apr 2020

- **Tableau Data Analyst Badge**

Tableau | Issued Apr 2020

- **Elite certified for DATABASE MANAGEMENT SYSTEM**

NPTEL | Issued Apr 2019

- **EMC Academic Associate, Information Storage and Management**

Dell EMC | Issued Nov 2014

SEMINARS / WORKSHOPS

- Completed 12 days of government officials training program on BIG DATA ANALYTICS held on December 2021 under 'FutureSkills PRIME' programme an initiative Meity (Ministry of Electronics and Information Technology, Government of India, hosted by NIELIT
- Given Training on DATA SCIENCE using R under Faculty Interest Group, DSA at Lovely Professional University, 2019
- Given Guest Lecture on DATA SCIENCE using TABLEAU at Innocent Hearts Group of Institutions, Loharan, 2019
- Given Training on MACHINE LEARNING using R under Faculty Interest Group, DSA at Lovely Professional University, 2019
- Attended 2 Days FEP program on DATA SCIENCE sponsored by TEQIP-III at NIT Jalandhar, 2019
- Attended 1 Day International Seminar on Educational Empowerment in Multidisciplines at S.B.H.S.M Khalsa College of Education, Hoshiarpur, Punjab, 2019
- Appointed for giving Guest Lecture on Usage of DATA ANALYTICS for effective teaching and research at S.B.H.S.M Khalsa College of Education, Hoshiarpur, 2018
- Attended 1 Day International Seminar on Educational Empowerment in Multidisciplines at S.B.H.S.M Khalsa College of Education, Hoshiarpur, Punjab, 2018
- Given FDP on DATA ANALYTICS using R, at Lovely Professional University, 2017
- Attended 3 Days FEP program on DATA ANALYTICS at Cognizant technologies, 2014
- Given 6 weeks internship on DATA ANALYTICS using Excel and SAS at LPU, 2014
- Given FDP on DATA ANALYTICS using SAS, at Lovely Professional University, 2014