

GAURA SINHA

EMPLOYMENT

Data Analytics Lab Manager	REDDI Lab, Clemson University	2022 - present
<ul style="list-style-type: none"> Manage the database of the COVID Testing Lab at Clemson Analyze the test results and RNA sequences to produce meaningful insights 		
Community Manager	Magicpin	2018 - 2019
<ul style="list-style-type: none"> Recruiting, managing and growing the user and merchant community at Magicpin. Devised content strategies leading to a 200% spike in social content volume within five months. Used data insights from Elasticsearch and Kibana to launch data driven marketing strategies for retailers and brands, engineering 50+ promotional events biannually and multiple online campaigns pan India. Engineered the Corporate Social Responsibility crowdfunding initiative of Magicpin. 		
Software Engineer (.NET Developer)	Verizon Data Services India	2015 - 2018
<ul style="list-style-type: none"> Developed functionalities for Flexview/On Demand application for both Mobile and Web using C#, AJAX, jQuery and SQL Server. Developed functionalities as per requirements to seamlessly integrate Verizon purchase web pages with Disney Movies Anywhere site. Configured and tested flows for Verizon's self service wizard using the in house UFD tool, which directly helps customer to troubleshoot Set Top Box related issues. Configured and tested flows in UFD to enable/disable features without the help of an agent. 		
Software Development Engineer, Intern	DRDO	2014
<ul style="list-style-type: none"> Designed a Database Editor for Naval Tactical Wargame under Institute for System Studies and Analyses. Developed a parser to convert JSON to XML to enable automatic query generation and database update 		

LANGUAGES AND TECHNOLOGIES

- Languages - Python, R, JavaScript, C#, HTML/CSS, Java, C++, C,
- Operating System - Linux, Windows
- Database - Microsoft SQL Server, MySQL, SQLite
- Frameworks and Tools - Anaconda, PyTorch, MS Visual Studio, ASP.NET MVC, jQuery, GitHub, Jenkins, Fortify Scan, Eclipse IDE, IntelliJ IDEA, Agile, JMP, Tableau, D3.js

EDUCATION

Hamirpur, H.P.	National Institute of Technology, Hamirpur	2011 - 2015
<ul style="list-style-type: none"> B.Tech. in Computer Science and Engineering Main coursework: Data Structures, Design and Analysis of Algorithms, Operating System, Computer Graphics, Object Oriented Paradigm, Database Management Systems, UNIX Programming, Software Engineering, Computer Networks, Artificial Intelligence, Computer Architecture, Management Information System 		
Shimla, H.P.	Dayanand Public School	2010
<ul style="list-style-type: none"> Aggregate: 91.60% , All India Senior School Certificate Examination (CBSE) 		
Dalhousie, H.P.	Sacred Heart High School	2008
<ul style="list-style-type: none"> Aggregate: 96.14%, Indian Certificate of Secondary Examination (ICSE) - State Rank 1 		

PROJECTS

- Rumour Detection and Mitigation in Social Networks:** Studied and evaluated rumor-like methods to find efficient anti rumor models for combating the spread of rumors on a social network. With Python being used to implement the experiment in code, results were validated using the Barabasi-Albert model to represent the social network.
- Hand Gesture Recognition using Webcam:** Designed a Linux-based background application for live motion gesture recognition using OpenCV Library on webcam input in C++. Gestures were extracted by recording differences in consecutive frames, the resulting output cleaned using Gaussian blur and matched against a set of known gestures to perform a function on a media player.

- **Attendance Recording System Using Facial Recognition:** Developed software tools for Android devices that marked the attendance in a class using face recognition techniques employing the OpenCV Library.
- **Who Said It:** Implemented Sentiment Analysis on political tweets using Naive Bayes classifier to guess which politician was likely to have made a given statement.
- **Simulated Modulo-12 counter** using System C and GTK Wave

ACHIEVEMENTS AND RESPONSIBILITIES

- **Joint Secretary**, Public Relations, national cultural and technical fest, organized events across 3 days, NITH'14
- **Convener**, Public Relations, national cultural fest, garnered participation of 6000+, NITH'13
- **Executive Member**, SPIC MACAY, organized classical arts concerts, NITH'12-15
- **Executive Member**, Forum of Computer Engineers (FORCE), NITH'11-15
- **Mentor**, Prayas, taught underprivileged children over 4 years, NITH'11-15
- **Winner**, Sudo Code, the college coding challenge, NITH'12