

Sagunesh Grover

Phone: +917011760896, E-mail: sagunesh@gmail.com

INTERESTS	Information Retrieval, Applied AI, Machine Learning, Deep Learning, Data Science, Databases	
ACADEMIC QUALIFICATIONS	SRM University , Delhi-NCR, Sonapat, India B.Tech in Computer Science and Engineering	August 2013 – May 2017 (CGPA: 7.66)
	Sachdeva Public School , Delhi. India XII GRADE-CBSE	March 2012 – April 2013 (Percentage: 76.00%)
	Sachdeva Public School , Delhi. India X GRADE-CBSE	March 2010 – April 2011 (CGPA: 8.4)
PROFESSIONAL EXPERIENCE	Machine Learning Engineer Trainee at AAIC Technologies Pvt. Ltd. Working on interesting problems in the area of Data Science and Analytics using various Machine Learning Techniques. Have been working on case studies of Amazon Apparel Recommendation Engine and Personalized Cancer diagnosis Gene Prediction with libraries such as Pandas, NumPy, Scikit using Python programming.	August 2018
	DataScience Intern at AAIC Technologies Private Limited Working on interesting problems in the area of Data Analytics using various Machine Learning Techniques. Have been working on interesting problems in the area of Computer Vision and NLP with libraries such as Pandas, NumPy, Scikit, Open CV using python programming.	December 2017 – August 2018
INTERNSHIPS	Ministry of Electronics and Information Technology, Government of India, Electronics Niketan , Delhi, India.	May – July 2015
	DigiLocker • Implemented a module in OwnCloud and normalized the database for pre made cms designed for Digilocker for reducing data redundancy.	Project Advisor : Mr Debabrata Nayak
	E-court • Developed a report filing module for E-court using cake php	Project Advisor : Mr Debabrata Nayak
TECHNICAL SKILLS	Programming and Scripting Languages: C, C++, Core Java, Python, PHP, SQL, HTML, CSS, Javascript, JQuery, Operating Systems: Mac OSX, Windows, Linux Tools and Frameworks: Jupyter Notebook, Numpy, Pandas, Scikit Learn, Matplotlib, Seaborn, PhpMyAdmin, LaTeX, Android Studio, Angular Js, Bootstrap Framework, Dreamweaver, Corel Draw Database Tools: MySQL, MySqli, MS-Access, MongoDB	

ML Classifier for Amazon Review DataSet using KNN algorithm. (Individual Project)
(March – July 2018)

The main objective was to classify a review, determine whether the review is positive or negative using the given Amazon Review DataSet. Data Analysis and cleaning of data using various techniques like Stemming, Deduplication and Lemmatization was done. Data was preprocessed using various techniques like Bag of Words, TF-IDF, WORD2VEC, Avg Word2Vec and TF-Word2Vec and finally various d dimensions vector were obtained. Various 'd' dimensions vectors were reduced to two dimensions vectors respectively using technique called TSNE with different levels of perplexity, iterations and learning rate. KNN was applied on data and it was visualized in two dimensions.

EDA of Haberman's Survival Data Set. (Individual Project)
(January – March 2018)

Build a basic Machine Learning Classification model using basic Exploratory Data Analysis(EDA) techniques.

Admob Dynamic Ad Control using Firebase (Individual Project)
(May – November 2017)

Developed a solution for managing your admob CTR, updating adcode on the go without updating the apps dynamically and prevent click fraud for your Android Application from malicious third party clicks

Large Scale Search Engine (Individual Project)
(January – May 2017)

Large scale searchengine is a small prototype of real world search engine like Google. It contains three major modules webcrawler module, search module and webpage ranking module. Web crawler crawls the web using BFS algorithm and searches all the relevant information from the website Page ranking module ranks the website according to the no. of outgoing and incoming backlinks it has and appropriately saves data that will be further used by Search Module Search module queries the user result and gives information according to the user input.

SRM University, Haryana Android App Team size: (Two)
(November 2014 – May 2015)

Designed UI of SRM University Haryana official app using which one could have the whole college experience on a mobile and tablet. It was made using Angular js, Ionic framework and Phonegap.

SRM University Haryana Online Result Module (Individual Project)
(August – September 2014)

Developed an online examination result displaying system for the university that is used by entering a roll number and a user can get its result in pdf form.

SRM University Haryana Intranet Website (Individual Project)
(June – July 2014)

Developed an online university intranet portal where students and teachers can connect with each other, share notes, assignments and chat on private messaging system.

Google Science Fair 2014

Team size: (Three)

(November 2013 – June 2014)

Developed the cheapest pollution filter from waste material like(algae) to filter all harmful gases like SO₂, CO₂ and CO out of vehicle exhaust and convert them to O₂

AWARDS AND ACHIEVEMENTS

Qualified Graduate Aptitude Test in Engineering (Gate 2018)

(2017 – 2018)

Wrote the Graduate Aptitude Test in Engineering(GATE 2018) in the field of Computer Science and Engineering and successfully qualified the highly competitive examination among over 1,00,000 candidates.

University Council Member for 2 Years Consecutively

(2013 – 2015)

Was appointed as member of the university's Student Council consecutively for two years for the department of Computer Science and Engineering by the Head of Department.

ICMAS Abacus State Champion

(2006 – 2007)

Became ICMAS Abacus State Champion for Level 1

EXTRACURRICULAR ACTIVITIES

- Was a part of the organizing committee and organized university freshers, cultural fest and workshops.
- Secured the 1st position in Inter College Android App Development Competition and was qualified for finals held at IIT Delhi.
- Got 2nd position in Webapp development, Aqua Robo Soccer & 3rd Position at LFR competition at IP University.
- Was a part of the music society and performed various instruments like Guitar, Electronic Keyboard and Xylophone on various occasions of University cultural fest.
- Participated in Street Play held at SRM University,Modinagar campus.
- Was a part of college Football team and also brought laurels to the Computer Science department in Inter Department Sports Meet.
- Played Chess and brought laurels to the Computer Science department in Inter Department Sports Meet
- Developed a robot using Arduino which can detect the edge of an object and won the third prize at the university on National Science Day.
- Represented my school in Computer Symposium named edge held at Kulachi Hansraj Model School in 2010.
- Consecutively awarded for two years for full attendance in school from 2006-2008.
- Participated in painting competition under 12 years age group and secured 3rd position in 2007

COMMUNITY SERVICE

Nav Yuvak Jan Kalyan Sabha Delhi(Affiliated with Ministry of Youth Affairs and Sport)

- **Taught Computer Science to under-privileged students** May – July 2014
Students were given basic knowledge about how computers work, their types, internal components were demonstrated and practically shown, taught some basic software and their working and also a discussion about programming and future career as a software engineer was given.
- **Taught English to under-privileged students** May – July 2016
Students were given basic lectures on English grammar, and held discussion about the importance of English and answered their queries of different career paths in life.