



Shrey Maheshwari
B.Tech in Biologically Inspired System Science(option CSE)
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EDUCATION

Examination	University/Board	Institute	Year	CPI/Percentage
B.Tech	IIT Jodhpur	IIT Jodhpur	2013-2017	7.15
Intermediate	CBSE	SJS Public School	2013	85.8
Matriculation	CBSE	Assisi Convent School	2011	10

EXPERIENCE

1MG Technologies

Software Engineer

Gurugram, India
June 2017 - Present

- Part of Order-Fulfillment technology team.
- Responsibility of converting product feature specifications into engineering solution with focus on performance and quality of code.
- Solutions are built on python based asyncio driven service oriented architecture framework.

INTERNSHIP

1MG Technologies

Classification of online patient consultation queries into medical specialties using Machine Learning

Gurugram, India
May - July 2016

- Designed and developed a Machine Learning model for prediction of medical specialty of online medical queries of users.
- Developed a vocabulary which was used to convert query text into numerical vectors.
- Designed the model to predict three outcomes by dividing the medical specialties into three classes by acquiring domain knowledge.
- Achieved 80-85% accuracy using SVM module Of scikit-learn by continuously improving on the mistakes.

ACADEMIC PROJECTS

Comparative Analysis Of Various Clustering Algorithms To Group Co-Expressed miRNAs

2016

[Prof. Sushmita Paul]

- Compared various clustering algorithms like kmeans, agglomerative clustering and dbscan in their performance to find clusters of miRNAs which are also biologically significant and concluded that dbscan performed better than other 2 algorithms.
- Performed quantitative analysis by calculating silhouette and db index values for each algorithm.
- Performed qualitative analysis by producing heat maps to visualize the results.

Machine Learning Models For Prediction Of Heart Disease

2016

[Prof.Sushmita Jha]

- Used gradient descent algorithm with logistic regression model to obtain the learned parameters
- Avoided over-fitting by using regularization and feature scaling.
- Obtained 84% accuracy on test data by using appropriate learning rate. Implemented in Python using numpy and Matplotlib.

Handwritten Digit Recognition

2016

[Prof. K.R.Chowdhary]

- Used gradient descent with logistic regression. Applied one vs. all classification by training multiple regularized logistic regression classifiers, one for each of the classes in our dataset.
- Calculated probabilities of new examples belonging to classifiers and selected classifier based on maximum probability.

PROGRAMMING AND TECHNICAL SKILLS

- Python, Django
- SQL, Postgres
- Javascript, React
- Asynchronous programming, Micro-services architecture
- Agile software development approach
- Machine Learning, Scikit-learn

RELEVANT COURSES

- Data Structures And Algorithms
- Operating System
- Database Management System
- Object Oriented Analysis And Design
- Artificial Intelligence

POSITION OF RESPONSIBILITY

Coordinator-Marketing Team VARCHAS (inter college sports festival) 2015.

Headed a team of 9 Assistant Coordinators to raise sponsorship for college festival.

EXTRA CURRICULAR ACTIVITIES

- Participated in 50th Inter IIT Sports Meet held at IIT Bombay in the basketball event.
- Participated in national level sports fest Vajra 14 of SRM University, Delhi-NCR Campus, Ghaziabad.