TAMANNA MEHTA

(832)857-9886 | mehta.tamanna@outlook.com | Fremont, CA
LinkedIn: **tamanna-mehta** | Github: **tamanna-mehta**

EDUCATION

San Jose State University - San Jose, CA   *Aug' 2020 - Dec' 2021**
Master of Science in Software Engineering   **GPA: 3.9/4.0**
Key Courses: Data Mining, Web mining and Big Data, Enterprise Software Systems, Machine Learning, Deep Learning, Software Systems Engineering.

Dr. B. R. Ambedkar National Institute of Technology - Jalandhar, India   *Aug' 2013 – Nov' 2016*
Master of Technology in Computer Science & Engineering   **GPA: 8.72/10.0**
Key Courses: Distributed Computing Systems, Advance Databases and Data Mining, Machine Learning, Statistical Methods for Research, Advanced Data Structures and Algorithms, Numerical Methods, Digital Image Processing.

Punjab Technical University - Jalandhar, India   *Aug' 2008 – May' 2012*
Bachelor of Technology in Computer Science & Engineering   **GPA 4.0/4.0**
Key Courses: Design & Analysis of Algorithms, Theory of Automata, Computer Architecture, Object Oriented Programming, Operating Systems, Discrete Structures, Engineering Mathematics, Database Management.

WORK EXPERIENCE

Guru Nanak Dev University - Amritsar, India   *Nov' 2012 – July' 2020*
Senior Assistant (Data Entry and Software Development)
- Contribution to the design and development of multiple applications in the university student portal including re-evaluation request forms, examination registration forms with payment gateways.

TECHNICAL SKILLS

- Programming Languages: Python, Java, R, Javascript, SQL, HTML/CSS
- Technologies/Frameworks: Hadoop Map Reduce and HDFS, HBase, PySpark, SparkSQL, Spark MLLib, Amazon Web Services (S3, Lambda and Cognito), Ansible, Twitter APIs, Jenkins

ACADEMIC PROJECTS

Movie Success Prediction on IMDB extensive dataset from Kaggle | Python, Numpy, Dataframes, Scikit Learn
- Predicted the success of a movie based on ratings (1-10 Scale)
- Worked on data-cleaning, pre-processing of the dataset, applied multiple classification algorithms including KNN, SVM, decision trees and logistic regression to compare, and find the best model.

Netflix movie recommendation on Netflix prize dataset | Apache Spark, Hadoop, MLLib, AWS (S3 and EMR)
- Designed and developed an end to end recommendation system using collaborative filtering technique on Big data cloud framework with ALS method and achieved an accuracy of ~84%.
- Worked on feature selection, data processing, data cleaning, data transformation.

WeWork - An enterprise HR platform with single sign on | Nodejs, React, AWS (S3, Cognito and Codepipeline)
- Implemented features to onboard new employees, promote existing employees, manage payroll and employee profile, and provide two separate roles, employee and admin with single sign-on (SSO authorization).

ACADEMIC ACHIEVEMENTS

- Received multiple scholarship awards worth 135,000 INR during Bachelors for ranking in top 3 among 3k students.
- Ranked in top 10 in the State of Punjab matric examination and received a 100% fee waiver for the class of 2006-08.

COMMUNITY SERVICES & EXTRACURRICULAR ACTIVITIES

- Organized knowledge sharing college-level sessions on the latest technologies
- Participated in multiple public welfare rallies against female feticide, drug consumption awareness, etc.

Last Updated: 01/15/2021