# Mehak Beri

16500 Lauder Lane, Apt. 6104, Dallas, TX-75248 | (646)8946202 | mehak.beri@utdallas.edu
LinkedIn | Website | Github | Work Authorization: F-1 VISA

## PROFESSIONAL SUMMARY

Innovative MEAN stack developer with passion for Machine Learning and Artificial Intelligence. Looking for opportunities to exhibit my skills, learn and solve challenging problems in a stimulating environment.

## EDUCATION

- **Master of Science,** Computer Science, The University of Texas at Dallas
  GPA- **3.9/4.0** | Expected Graduation: May 2019
- **Bachelor of Engineering,** Electronics and Electrical Engineering, Panjab University, Chandigarh, India
  CGPA- 8.3/10 | Graduated: July 2016

## TECHNICAL SKILLS

**Programming System:** Java | JavaScript | SQL | Python | MATLAB
**Web Development:** HTML/CSS | Node.js | jQuery | JSON | MVC | Angular | Express
**Tools:** Eclipse | Jupyter Notebooks | Visual Studio | SciKit-Learn | GIT | LabVIEW | IntelliJ
**Databases:** MySQL | MongoDB (Beginner) | ElasticSearch (Beginner)

## PUBLICATIONS

- **Rotation Direction Control by Finger Movement, 2014 IEEE ICCIC** [Dec 2014]
  *IEEE Xplore:* Catalog Number: CFP1420J-ART | ISBN: 978-1-4799-3975-6
- **Intelligent Floating Car Parking System, 2014 RATEE** [Dec 2014]
  ISBN: 978-93-84869-05-2/323

## WORK EXPERIENCE

**Programmer | UTD Center for Brain Health** [Oct 2017 - Current]
- Responsible for providing full stack web programming solutions (HTML, CSS, AJAX, Javascript, JSON)
- Responsible for providing hybrid mobile application solutions using Xamarin ( Android + IOS, C#)
- Currently working on a project which uses Flutter to make hybrid mobile app (Android + IOS)

**Software Engineer | Seekhley, Gemini Solutions, Gurgaon, India** [Jan 2016 – Nov 2016]
- Seekhley webapp development using Jquery, Javascript, Node.js, Angular.js, MVC architecture, AJAX
- Contributed to the building of modules to handle features like DIY Activities/Experiments, assign, schedule and complete activities, complete assessments, auto generated feedback forms, manage users, sending emails, etc. Developed curriculum mapped experiential learning to over 700 students in 15 schools

## CURRENT PROJECTS

- **Semantic Search Application | Natural Language Processing:** The application enables keyword based search and semantic search index creation using a corpus of news articles by parsing natural language queries. Includes Part of speech tagging, syntactic parsing, feature extraction and indexing using combination of NLP features
- **Relational Database Management System | Database Design:** Implementing a complete relational database management system like MySQL which can parse SQL queries and return useful information

## PROJECTS

- **Library Management System Application:** Complete web application solution for use by librarians. Functionality: Check-in books, search books, check out books, managing borrowes and manage fines. Front end using HTML/Javascript/Bootstrap, server side using Node.js/Express Framework/MySQL
- **Part of Speech tag Prediction:** POS prediction using Bigram Probabilities on training data and Brill's Transformation based learning tagger using Java
- **Titanic** | Kaggle Challenge: Predicted survival on the Titanic using Machine Learning techniques like regression, classification, clustering. Technologies used: Jupyter notebooks, Pandas, Scikit learn, Numpy
- **Note-It:** A note taking application on which all 4 CRUD operations can be done. Technologies used: Nodejs, Express Framework and MongoDB
- **Artificially Intelligent Games:** Nim Game, Tic Tac Toe, Black Jack, Hangman. Implemented using Java

## ACCOMPLISHMENTS

- Certified LabVIEW Associate Developer (CLAD) | National Instruments [July 2017]
- Conferred IEEE Outstanding WIE Student Volunteer Award [Feb 2015]