**Pooja Singh**

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**EDUCATIONAL BACKGROUND:**

**Master of Science in Computer Science**

University of North Carolina at Charlotte, Charlotte, NC. **Expected May 2021**

**Bachelor of Technology in Computer Science & Engineering**

Dr. A.P.J. Abdul Kalam Technical University (formerly Uttar Pradesh Technical University), India.  **May 2017**

**RELEVANT COURSEWORK:**

Big Data Analytics for Competitive Advantage, Algorithms and Data Structures, Database Systems, Cloud Computing for Data Analysis, Knowledge Discovery in Databases, Network Based Application Development.

**COMPUTER PROFICIENCY:**

Java (SE and EE), Python, C, C++, MySQL, Android Studio, HTML, CSS, JavaScript, Containerization using Docker and Kubernetes, Google BigQuery, AWS, GCP, Azure.

**WORK EXPERIENCE:**

* **Associate Software Developer-** Webdigitronix Softlabs Pvt. Lmt. (Web Development) **Aug 2017- Dec 2018**
* **Intern-** Webdigitronix Softlabs Pvt. Lmt .(E-Commerce project training) **Jun 2016-July 2016**
* **Trainee-** Ducat (Certified course in Java) **2015**
* **Trainee-** Hewlett Packard Education Services (Android Development) **Jan 2015**

**PROJECTS:**

* **Loss Ratio Prediction (Kaggle Competition)** 
  + - Given a big dataset of about half a million auto insurance policies as training data and 330 test portfolios each containing about 1000 policies.
    - Performed feature engineering to filter the raw dataset resolving anomalies.
    - Made various machine learning models to predict the loss- ratio of the 330 test portfolios improving Kaggle score.
* **Highbrowed- Book Club Java Application**

 Created a Network Based Application for a book club where Users can signup, signin, host and rsvp to various book club events, modify event details and invite other users to their events.

 Used MVC to design the application with the concepts of HTML/CSS, JSP, Java Servlets, Java Beans.

* **Docker Container**
* Created a customized Docker container from the current version of Python that deploys a simple python script, pushed image to Docker-hub and pulled the image down and run it on AWS Cloud9.
* **NYC Airbnb Price Prediction Application on Google Cloud**
* Created a New York City Airbnb price prediction application using PaaS machine learning prediction model on the Google Cloud Platform with the integration of Flask for the backend and HTML/CSS for the frontend.
* <https://github.com/ps11061601/CCProject>, <https://airbnbpredictor.appspot.com/>

**VOLUNTEERING, ACTIVITIES and SOCIETIES:**

* + **Organizer-** Debugging Competition at TechFest in GNIOT in 2015,2016 and 2017.
  + **Chief- coordinator-** Beg-Borrow-Steal, Cultural Fest (gaming event), GNIOT in 2016 and 2017.
  + **Volunteer –** Plaza Party, Gold Rush Event, UNCC in August 2019.