ABHIRAM GOPAL   
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**EDUCATION**

**MS in Applied Data Science**  **May 2021**Syracuse University, School of Information Studies, Syracuse, NY

*Relevant Coursework:* Data Administration & Database Management, Scripting for Data Analysis, Business Analytics, Cloud Management

**Bachelors in Technology – Mechanical Engineering**   **June 2013 - May 2017** VIT University, School of Mechanical building and sciences, Chennai,

*Relevant Coursework:* Industrial Engineering and management, Operations research, Engineering Mechanics, Thermodynamics, Product design and methodology, Fluid mechanics

**WORK EXPERIENCE**

**Python Developer December 2020 – Current**

OurAbility – Part time, Remote, US

• Creating Python Scripts to automate Web-Parsing & Document Parsing jobs

**Senior Tutor and Teaching Assistant**  **July 2020 – Current** 2U Inc – Part time, Remote, US

• Mentoring and teaching data science skills & technologies for 50+ students with various backgrounds.

• Keep 1 on 1 tutoring sessions for students to guide them better across concepts & technologies in Data Science

• Troubleshoot any issues or review concepts during class hours & office hours

• Some of the topics covered include VBA, Python, HTML,CSS, JavaScript, Tableau, MySQL, MongoDB, TensorfLow.

**Data & Supply Chain analyst**  **Aug 2018 – July 2019** SLB Hotels Pvt Ltd, Chennai, India

• Created scripts utilizing python & sql to optimize data collection from external database server

• Utilized VBA scripts & scheduler to automate report generation for day to day performance.

• Leveraged Excel’s optimizer & VBA to generate new logistic routes every day

**Quality Engineer July 2017 – June 2018**

DAIMLER A.G, Chennai, India

• Ensured Quality standards were maintained as per pre-written design drawings

• Supervised the sequence of the production line & ensured production plan does not get affected due to quality concerns.

• Troubleshoot active concerns with cross functional teams and resolve them at the earliest.

• Proficient in 8D problem solving techniques, CAPA evaluation & six sigma quality tools

**PROJECTS**

**Tutor Matching Web Application – Syracuse University** **Sept 2020 – Nov 2020**

• Worked on the backend tasks of creating APIs & connecting application to/from AWS Dynamodb.

• Used AWS Beanstalk to deploy the app. Utilized Flask for defining the APIs & routes for the application.

**Loan Repayment Analytics Big Data – Syracuse University Jan 2020 – May 2020**

• Built various ML models to predict if a customer pays off his loan or not.

• Utilised Pyspark for the project.

**Customer Churn Inference for Southeast Airlines – Syracuse University**   **Oct 2019 – Dec 2019**

• Utilized concepts of data mining, visualizations to find factors influencing customer churn

• Built ML models like Decision Trees, Linear Regression to further find parameters responsible. Tools used : R

**TECHNICAL SKILLS**

**Programming Languages & Relevant Libraries:** Python, Pandas, TensorFlow, Scikit-Learn, R, VBA, JavaScript

**Visualization and Analysis tools:** Tableau, MS Excel

**Database tools:** SQL-server, MS Access, MongoDB

**Big Data :** Apache Spark

**Cloud Services** : AWS – Cloud Solutions Architect Associate

**LEADERSHIP**

**Project Lead for Loan Repayment Analytics – Syracuse University Jan 2020 – May 2020**

• Captured deadlines for project submission

• Created a schedule for regular meets with agenda & ensured enthusiastic participation among all members

**Coach For Esports Team “Overwatch” – Syracuse University Jan 2020 – May 2020**

• Coach and prepare the Syracuse team for Inter-college tournaments(TESPA)

• Conduct weekly games, provide feedback and plan new gameplay strategies