

Aishwarya Agarwal

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Education

University at Buffalo, The State University of New York

MS, Engineering Science (Data Science)

Aug 2021 - Jan 2023

Centre for Development of Advance Computing (CDAC), Bengaluru

PG Diploma, Big Data Analytics

Feb 2020 - Jan 2021

APJ Abdul Kalam Technical University, Inderprastha Engineering College

Bachelor of Technology, Computer Science Engineering, Graduated with Distinction

Aug 2013 - Jun 2017

Professional Work Experience

Data Engineer Intern, AH Group of Companies, Michigan

Aug 2022 - Present

- Working on curating reports for the clients to help them assess their monthly profits and repair cost
- Working on sales management pipeline
- Tech-stack:** Advanced Analytics, Python, SQL, Tableau, Machine Learning, Tableau Server, Juno Edge, Smartsheet

Data Science Intern, Smartworks Co-working Spaces, Remote

Jun 2022 - Aug 2022

- Worked on revamping and digitizing the co-working space using data science tools
- Worked on automating penetration rate for sales forecasting
- Tech-stack:** Python, Tableau, SQL

Software Engineer Trainee, Alstom, Bengaluru

Mar 2021 - Aug 2021

- Developed communication modules for Train units (ATS, CBI) to send & receive data over multiple server levels using Python and SQL.
- Designed, developed, and automated validation tools for comparing databases (ATS) using python which increased the efficiency of the project delivery process by 15% by working closely with the product team
- Tech-stack:** Python, SQL, XSLT

Associate Professional Product Developer, DXC Technology, Noida

Oct 2017 - May 2019

- Developed software solutions for Aviva travel insurance by studying information needs, conferring with users, studying systems flow, data usage, and work processes
- Provided use cases for business as per functional & technical requirements
- Worked with the complete Software Development Lifecycle (SDLC) and provided product-related post-implementation, application maintenance and, enhancement support to the client
- Tech-stack:** COBOL, IBM DB2

Summer Intern, Magic Software Inc, Noida

Jun 2016 - Aug 2016

- Worked as a front-end developer in Education domain. Designed and coded requirements in HTML, HTML5 and CSS

Academic Projects

Knight Raider - Grid World Environment using Reinforcement Learning

Apr 2022

- Created self-learning agent in stochastic and deterministic environments using Q-learning method in python using gym library

Data Manipulation and Regression on Reddit data

Mar 2022

- Extracted and manipulated the data from Reddit and ran the regression to predict upvotes on the subreddit's post

Expected goals(xG) Analysis and players recommendations

Nov 2021

- Used dataset from Kaggle, and applied machine learning techniques such as xG boost and logistic regression

Technical Skill

- Languages:** Python, R, MATLAB, Shell Scripting, C Programming
- Python Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, K-means clustering, PyTorch, XGBoost, Plotly, Gym
- Databases & Cloud:** MySQL, PostgreSQL, MongoDB, NoSQL, Google Cloud Platform
- Version Management:** TFS, GIT, JIRA, Trello, Smartsheet
- Data visualization tools:** Tableau, Google Data Studio, Power BI, Tableau Server
- Development tools and IDE:** RStudio, Jupyter Notebook, VScode
- Soft Skills:** Teamwork, Communication, Problem solving, Critical Thinking