

Shivam Vats

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EDUCATION

University School of Information and Communication Technology, GGSIPU
B. Tech in Computer Science Engineering

2016-20
GPA 8.27

TECHNICAL SKILLS

Languages/Frameworks: Python, JavaScript, C++, Node, React

Databases: SQL, Mongo

Domains: Data Science, Full Stack Web Development, AWS Cloud Computing

Certifications: Data Science and Machine Learning, Improving Deep Neural Networks: Hyperparameter tuning, Regularization and optimizations, AWS Solutions Architect Associate

PROJECTS

Sahayata

- Developed Data Science and Machine Learning project to gain insights of future prices of rice in North Indian
- Gathered data by scrapping open-source government resource using Selenium scripts. Analyzed behavior of crop prices against different parameters such as annual rainfall and inflation using Matplotlib and Tableau.
- Transformed and cleaned the data using Numpy and Pandas. Developed crop price prediction model using Artificial neural network with Keras and Scikit-learn. Also built a time series model using LSTM.

Its Ronaldo!

- Data Science project developed to gain insights on game behavior of Cristiano Ronaldo (football ace).
- Cleaned the data using Numpy and Pandas. Used feature extraction functions such as PCA and inbuilt univariate selection methods in Scikit-learn. Visualized multiple features' association using Matplotlib graphs.
- Built classification model using Artificial neural network with Keras to predict if he scores or not. Searched suitable learning rate for the network using LR-finder. Implemented Hyper-parameterization using Scikit-learn.

Bon Appetit

- Case study to analyze restaurants' cuisines, ratings and demographics. Used Matplotlib for visualization. Extracted data from Zomato's API. Transformed data using Numpy and Pandas.

US Airlines Sentiment Analysis

- Performed sentiment analysis over US airlines twitter sentiments dataset. Predicted if a tweet is positive, negative or neutral using multinomial logistic regression. Transformed the data using NLTK and Scikit-learn.

WORK EXPERIENCE

Amazon Web Services – Cloud Support Associate

Jul '20 – Present

- Responsible for providing in-depth technical support to AWS's customers via chat and call. Gained expertise in AWS services such as Cognito, Single-Sign-On, Organizations, IAM.
- Collaborated with development and support teams to study and understand customers' use-cases which involved integration of multiple AWS services and innovated in it to assist customers with better solutions.

Amazon Web Services – Cloud Support Intern

Feb '20 – Jul '20

- Designed and developed a React-Redux web application for AWS engineers. This application is used for interpreting customers' AWS Organization hierarchy and understand about access management of entities inside the same organization.
- Application's user interface was inspired from the AWS management console. Since engineers worked with AWS console on daily basis, it made the application easier for them to use. User interface was developed using AWS internal React libraries.

Marsplay.co – Full Stack Web Developer Intern

May '19 – July' 19

- Sitemaps generation of Marsplay official website for search engine optimization. Built functionality of Blacklisting JWT tokens to stop unauthorized access of users after they log out of the website.
- Developed React UI components and integrated them into different pages of the website.

ACHIEVEMENTS

Won Smart India Hackathon 2019

- Developed an android/web application finds nearby crop storage, transport and wholesale markets based on user's location. Integrated key stakeholders of India's agriculture business in the application: Farmer, Wholesalers, Storage and Transportation. Application supported multiple languages for better user experience. Technology stack: React, Node, MongoDB.