APOORVA SAPRA

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TECHNICAL SKILLS

- **Programing languages:** C, C++, Python, C#, Java
- **Frameworks**: Angular, ASP.NetCore, Flask, Apache Hadoop
- **Front End:** HTML5, CSS, Bootstrap, JavaScript, TypeScript, Django.
- **Database:** MySQL, PostgreSQL
- **Data Science:** Statistical Models(Regression and classification), Data Wrangling, Data Modelling, Big Data Hadoop, Data Visualization
- **Platforms**: Windows and Linux.

EDUCATION

Swami Keshvanand Institute of Technology and Management, Jaipur   (Aug 2016 – May 2020)
Bachelor of Technology with Honours (Computer Science)   Total Percentage: 83.1%
Bhartiya Vidya Bhavan's Vidyashram, Jaipur   (Apr 2014 – Jul 2016)
XII (HSC) - CBSE Board   Total Percentage: 90%
Carmel Convent Sr. Sec. School, Bhopal   (Apr 2013 – Mar 2014)
X (SSC) - CBSE Board   CGPA: 9.6 / 10.00

WORK EXPERIENCE

In Time Tec Visionsoft Pvt. Ltd., Jaipur   (Jan 2020 – Present)
Software Engineer
Working as a full stack developer with a technology stack of C#, Asp.Net core, Angular, SQL and PostgreSql to create a service tool for HP for managing the quotations of their sold and rented products.

- Managed product security features including content encryption/decryption and prevention from vulnerabilities.
- Enabled protected routing and authentication using Angular 9 and integrated Asp.NetCore, WebAPIs, Javascript and DBScripts for development of the UI.
- Responsible for effectively handling migration from SQL to PostgreSql.
- Reduced the application deployment time
- Developed, designed and tested a microservice using generic repository design pattern, for the pricing domain of the project that helped in enhancing the scalability, deployment, maintainability and testability of the deliverables.
- Worked on different Atlassian products like JIRA, Confluence, and BitBucket, for incident and workflow tracking

INTERNSHIPS

Grass Solutions Pvt. Ltd., Jaipur   (Jan 2018 - Nov 2019)
Involved as an intern for managing clients from Grass Solutions, Amson and Jindal Biochem for designing data modelling processes to create algorithms and predictive models.

- Performed exploratory data analysis using pandas, seaborn and plotly libraries to generate a detailed report on the sales dataset of the company for the client.
- Automated backing up of data from MySQL to the Hadoop file system with shell scripting and used sqoop as a tool for incrementally loading data from RDBMS to HDFS.
- Performed EDA on fire/emergency calls data using logistic regression and contributed to various other projects that involved data mining, regression, classification, and clustering.
- Worked on creating a human sentiment analyzer for analyzing clients' feedback.
- Researched on Facial expression recognition and emotion classification for sentiment analysis for dataset preparation, database structuring and its definition.

● Led the efforts for conducting python learning sessions for the junior interns.

TRAININGS & CERTIFICATIONS

● Acquired training for programming languages C and C++ from TechnoGlobe Solutions Pvt Ltd, Jaipur, India.
● Certification for Introduction to Computers from IIT Bombay, India.
● Certification for Libre Office Suite Writer from IIT Bombay, India.
● Certification for Latex from IIT Bombay, India
● Certified program in Java from Internshala.
● Certified Business Analyst by AMCAT.

ACHIEVEMENTS

● Awarded scholarship for Microsoft Azure Machine Learning Nanodegree program by Microsoft & Udacity in July 2020
● Stood amongst the top 10 finalists at Her-Tech Hackathon presented by Facebook in association with ThoughtWorks & WSquare.
● Awarded for securing second position with 86% marks in the Computer Science Engineering program for the fifth semester by the Dean in January 2020.
● Led the 'Lean in Circle' of Jaipur by organizing various technical seminars for the fellow members and a member of the AnitaB.org community and working to inspire women in STEM.
● Member of the Toastmasters Club at SKIT Jaipur.
● Anchored at the first international conference on emerging technologies in computer engineering held in Feb 2018 and faculty development program held in Jan 2018 at SKIT Jaipur.
● Led a team in Smart India Hackathon to design a solution for electronic payment of user fees at Toll plazas.

PROJECTS

Messaging Queue   (Dec 2020 - Mar 2021)
➔ Single handedly implemented client server architecture using socket programming that supports multiple clients.
➔ Handled the database architecture, design and interaction with the code.
➔ Added testing framework and created jobs on Jenkins for build and deploy only when all the test cases pass.
➔ Added exception framework for handling exceptions throughout the project.
➔ Implemented singleton design pattern and saved memory consumed in object creation at each request.

Intelligent Code Reviewer   (Oct 2020 - Nov 2020)
➔ Developed a tool capable of performing fully automated code reviews of large projects, by detecting violations of the well known principles of object oriented design.
➔ Used logistic regression, random forest and SVM algorithms, with the highest accuracy being 54.3% in logistic regression.
➔ Accoladed with first prize for developing the reviewer at In Time Tec Techfoo Hackathon 2020.

Live Streaming and Sentiment Analysis of Tweets   (Jul 2019 - Aug 2019)
➔ Tracked customer behaviors towards brand by identifying sentiments fluctuation and detecting anomaly on scandals, with consideration of improving brands' customer engagement and retention.
➔ Performed live streaming of log data from twitter api using Tweepy library, MYSQL and python.
➔ Built an analytical dashboard to visualize the data using RE, TextBlob, NLTK and Plotly.developed a predictive model to analyze the sentiments of mass from twitter through big data analytics
➔ Used TextBlob to derive the polarity and subjectivity of tweets.