Deep Shah

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EDUCATION

Mukesh Patel School of Technology Management & Engineering, India   **Expected: May 2023**

Candidate for Bachelor of Technology in Computers with *Distinction* (CGPA 3.47/4)

PROFESSIONAL EXPERIENCE

Cyber Crime Cell Gurugram Police, Haryana, India   **June 2021 – July 2021**

Intern

Attended the 9[Th] Gurugram Police Cyber Security Summer Internship Program.

- Researched on Cyber Security laws, SEBI Regulations, Financial Frauds, Email Crime, Threat Intelligence, Web Site Hacking, Cloud security, Internet of Things, Cyber Crime Investigation and Intelligence operation, Cryptocurrency scams, Ransomware Detection and Digital Forensics.

C-BIA Solutions & Services LLP, Mumbai, India   **Dec 2020 – May 2021**

Software Development Intern

C-BIA Solutions & Services LLP is a Business Analytics company offering Business Analytics Cloud Platform, Services, Customized Solutions and Training.

- Developed a system for provisioning of Nordic Devices in a Mesh Network and built an Android Application to control the devices connected in the Mesh Network
- Contributed in a ASP.net Web Application Development project of a highly esteemed university in United Kingdom
- Contributed to a stock market automation project of a Stock Brokering firm based in Mumbai
- Researched on Integration of Higher Education Statistics Agency of Public Universities in United Kingdom

ACADEMIC PROJECTS AND PAPERS

Panacea (In Progress)

- Developing a Machine Learning based healthcare system for medical practioners with features such as prediction of post recovery disease symptoms, possible side effects, PubMed subject-predicate extraction. etc.
- Working with Misociety's Graphs Applied in Healthcare AI community to gather and aggregate healthcare data from various sources like MeSH, Med-RT, RxNorm and UMLS from National Library of Medicine (NIH).
- Technologies used: Neo4J, Python

Equistatistics

- Developed a dynamic company analysis dashboard web application that provides all the details of the company and equity listed on NASDAQ with features such as News Sentiment Analysis and Stock Price Prediction.
- The R-Squared and Mean Squared Error of the Stock Price Prediction Model using Linear Regression is 86.83% and 14.02 respectively.
- Technologies used: Python, HTML5, CSS, JavaScript, Heroku.

MovieStats

- Developed a real-time interactive website that provides real-time sentiment analysis of IMDB reviews and tweets of any movie user enters
- The real-time data is being scraped from Twitter and IMDB API is visualized using Chart.js
- Built the Sentiment Analysis model based on Naïve Bayes Algorithm with an accuracy of 98.7% and F-1 Score of 0.99
- Technologies used: Python, JavaScript, HTML, and CSS.

Vaccine Sentiment Analysis
- A Data Analysis project that analyzes Sentiments of the Tweets posted regarding the Covid-19 vaccine thereby analyzing the sentiments of people for the Vaccine
- Technologies used: Python

DressMerize
- Created an Android based fashion application that suggests the user which outfit to wear for a specific occasion. The app is built using Android Studio and Google Firebase is used for secure user authentication. The app focuses on user appealing UI and bug-less code.
- Technologies used: Android Studio and Google Firebase

Predicting and Analysing Global Warming using Artificial Intelligence
- Authored and published a paper on the same in International Journal of Scientific Research in Computer Science, Engineering and Information Technology in March-April 2021, Volume 7, Issue 2, ISSN: 2456-3307, UGC Journal No.: 64718.

Movie Stats: Sentiment Analysis of IMDB Reviews and Tweets of a Movie Using Naïve Bayes Classifier
- Authored and published a paper on the same in International Journal of Scientific Research & Engineering Trends in January-February 2021, Volume 7, Issue 1, ISSN: : 2395-566X.

TECHNICAL SKILLS
- Programming languages: Python, Java, SQL, C++, C
- .NET Framework: C#, ASP.NET
- Application Development: Android Studio, Ionic
- Web Technologies: HTML5, JavaScript, CSS
- Other tools: Azure, SQL Server Management Studio, Segger Embedded Studio, Selenium

Courses and Certifications
- Neo4j Certified: Graph Data Science Expert
- Microsoft Certified: Azure AI Fundamentals
- CISCO: PCAP – Programming Essentials in Python
- IBM: Data Science Tools
- IBM: Data Analysis with Python
- IBM: Data Visualization with Python
- IBM: Machine Learning with Python – Level 1
- CISCO: Introduction to Cyber Security
- Google: Crash Course on Python
- Coursera Network: Image Processing with Python

EXTRA CURRICULAR ACTIVITIES
- Coordinator, Placement Cell, Mukesh Patel School of Technology Management and Engineering, NMIMS for managing all student progress, provide assistance to all graduates and review all procedures of placement department.
- Earned a Silver Level Python Problem Solving Badge on HackerRank.
- Ranked in the Top 10 % of the Python Exam conducted by TestDome, London
- Attended the Amazon Web Services (AWS) Summit 2020
- Participated in Polarizer-2019 innovative project competition by Dept. of Basic Science and Humanities, NMIMS MPSTME
- Participated in Envirotech 2.0 by Dept. of Chemical Engineering, NMIMS MPSTME.
- Attended Ethical Hacking Workshop organized by TSEC, Mumbai