Neha Nooka

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EDUCATION

Master of Professional Studies in Data Science (M.P.S Data Science)   GPA: 4   *Aug 2022 - May 2024*
University of Maryland, Baltimore County   Baltimore, MD
Course Work: Introduction to Data Science, Database Management, Big Data Processing, Data Analysis & ML

Bachelors' in Information Technology (B.Tech. IT)   CGPA: 9.85   *Aug 2017 – May 2021*
Uka Tarsadia University, Bardoli   Gujarat, India
Course Work: Data Structures & Algorithms, DBMS, OS, Data Mining, Machine Learning, Cloud Computing, Soft. Eng.

SKILLS

- **Programming & Databases**   C++, Java, Python, R, JavaScript, MySQL, MongoDB
- **Data Visualization**   Power BI, Tableau, Excel, Google Sheets, Matplotlib
- **Front End Technologies**   HTML, CSS, Bootstrap, NodeJS, WordPress
- **Mobile Application Development**   Android, Flutter, React Native
- **OS & Cloud/Version Control & Tools**   Linux, Windows, Google Cloud, AWS, Git, Microsoft Office, GitHub
- **Languages**   English, Hindi, Gujarati, Telugu

EXPERIENCE

Accenture, Hyderabad, India (ance*Associate Software Engineer***)**   *Sept 2021 – Aug 2022*
- Created multiple services for the client and managed tickets for the legacy project resulting in 12x faster component rendering.
- Implemented optimized code in order to reduce the run-time, which improved the page speed by 15-18% after implementation.
- Constructed, built and maintained reliable systems using ASP.net. The reusability led to 50%-80% increase in the productivity.
- Identified and resolved bugs in Legacy projects, furthermore restructuring the project and writing cleaner and scalable code, reducing the instances of bugs by 7%-19%.
- Handled 100% meetings with client to design and discuss the requirements.
- Delivered business requirements and specifications within the specified deadlines with 90% efficiency.

La Net Software Solutions, Surat, India (*Software Developer***)**   *Jan 2021 – Sep 2021*
- Developed 2 mobile applications for Android and iOS using React Native.
- Delivered the design and development of various reusable components. The reusability led to a 50%-80% increase in productivity.
- Used understanding of React fundamentals to promote better component lifecycle practices, increasing turnaround speed by 23% with 100% deadline adherence.
- Introduced wider use of isomorphic React Native for mobile applications, decreasing load times by roughly 35%.

PROJECTS

Investment Chatbot
- Leveraged the latest developments in Natural Language Processing algorithms to create a chatbot that provides sophisticated Financial investment advice.
- Connects investors to online investment firms and provides up-to-date 100% information on the price of stocks.
- Performed Web scraping, performs Text Summarization, and responds with the 90-95% information when a user requests information regarding different types of investments (Mutual Funds, Stocks, Cryptocurrency, Bonds).
- Performed recommendations with 90% accuracy for stocks and forecasts future price forecasts based on Deep Learning.

Analysing the Effects of Twitter Sentiments on Stock Market
- Analysed the correlation between sentiment values Subjectivity, Positivity, and Negativity of Twitter data with different stock price attributes of top 100 companies like Apple, Amazon, Google, Microsoft, and Tesla.
- Predicted with 95% accuracy and forecasted the next day's stock prices of a company with the help of the previous day's stock prices combined with associated Twitter sentiment values using different variations of the Long-Short Term Model (LSTM).
- The model outperformed Apple Inc. with an RMSE value in the range of 4.0-5.0 whereas it gave decent results for Google and Amazon with an RMSE value in the range of 30.0-40.0.