SAGAR SHARMA

Software Developer Engineer

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Education

Bhagwan Parshuram Institute of Technology   **Aug 2024 (Expected)**
Bachelor of Technology in Computer Science   *Rohini, Delhi*

Professional Experience

Clikin Tech   **Dec 2023 - March 2024**
Full Stack Developer   *Remote*

- Developed full stack projects, client's software, with MERN stack
- Worked alongside the designer to realize Figma designs to software in order to increase users' retention
- Successfully integrated API and worked with C# .NET
- Acquired expertise in API integration with C# .NET, React Native and ReactJS, numerous libraries and frameworks, real-time data handling, working with Figma designs, working on full stack projects all by myself

NeuroNexus Innovations   **Nov – Dec 2023**
Software Engineer Intern   *Remote*

- Led and built full stack Shopping application and job portal from scratch 100%
- Designed and implemented the backend architecture of applications from scratch using Node.js and Express.js utilizing Firebase as the primary database system to create robust and efficient RESTful APIs.
- Successfully integrated backend services for efficient data management and real-time communication.
- Acquired expertise in API integration, real-time data handling, app-wide state management, HTTP calls, and quickly adapted to live projects. Actively involved in optimizing backend calls, resulting in improved app responsiveness and substantial cost savings by 30%.

Projects

Face Emotion Recognition | *Python, Keras, TensorFlow, Jupyter Notebook, Google Colab*   **Oct 2023**

- Developed a real time emotion recognition application using Python for recognising 5 human emotions.
- Implemented TensorFlow GPU and Keras to train model having accuracy of 72%
- Utilized TensorFlow combined with Keras to achieve a 72% accuracy in training the model, extracting data from Kaggle.

Stock Prediction Application | *Python, TensorFlow, HTML, CSS, Javascript*   **Oct 2023**

- Engineered a web application using HTML, CSS and Javascript to calculate future stock prices for 100+ companies.
- Processed user inputted variables to train model, ie. epochs, LSTM, dataset size, providing users opportunities to choose and learn about basic machine learning in 3 steps of training, validating and predicting.
- Employed TensorFlow for training and validating the model, achieving an accuracy of up to 80%.

Algorithm Visualiser | *React.Js, Node.JS, Javascript*   **Sep 2023**

- Programmed an Algorithm Visualizer website, simplifying complex algorithm concepts including sorting, searching and graph algorithms. React.JS and D3JS for interactive visuals, enhancing user comprehension.

Achievements

- Solved over 1000 DSA problems across various platforms LeetCode, Pepcoding, Medium
- Won 2nd rank in Summer coding competition Puzzle Challenge

Skills

Languages: C, C++, DSA, Python, HTML, CSS, JavaScript, SQL, Java (familiar)
Frameworks: ReactJS, GitHub, VS Code, MongoDB (No SQL), NodeJS, ExpressJS
Tools: Git, REST APIs, Linux, TensorFlow, AWS (familiar)
Coursework: Object-Oriented Design, Computer Networks, DBMS, OS, Agile
Soft Skills: Ability to focus on Code Readability, Testability, Observability

Publications

Demistifying Dynamic Programming