Sahil Sharma

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Education

Manipal University   **Aug. 2023 – Present.**
M.Tech in Computer Science with Specialization in AI and ML   *Currently maintaining a CGPA of 8.26 / Jaipur, Rajasthan.*

Poornima University   **Sept. 2019 – Sept 2023**
B.Tech in Computer Science with Specialization in Artificial Intelligence   *Achieved a CGPA of 7.61 / Jaipur, Rajasthan.*

Work Experience

Full-Stack Engineer Intern, Linux World Pvt Ltd   **May 2020 – Aug 2020**
Full-Stack Engineer Intern   *Jaipur, Rajasthan*
- Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, and Node.js) and DevOps tools for deployment and scaling
- Utilized technologies such as MongoDB, Express.js, React.js, Node.js, Git, Docker, and Kubernetes.
- Demonstrated project management skills, collaborating with a team to plan, develop, and deploy a full-stack web application.
- Overcame challenges in integrating technologies, managing state in React.js, and optimizing performance.

Project Manager and IT Head, HackitTech   **Sept 2020 – June 2021**
Project Manager and IT Head.   *Jaipur, Rajasthan*
- Gained experience working at HackitTech, a startup innovating in Cybersecurity EdTech.
- Managed all technical aspects of the startup, leading a team of overall 10+ developers and designers to plan, develop, and deploy projects.
- Led a team of developers and designers to plan, develop, and deploy.
- Identified and resolved technical challenges, ensuring the smooth operation of the startup's ideology.

Projects

Text Summarization with DistilBART | *Python, BERT, GPT, and T5, PyTorch, Gradio*   **May 2024**
- Led the development of a text summarization project using Transformer-based models, achieving an average summarization accuracy improvement of 20% compared to traditional methods.
- Integrated pre-trained Transformer models from the Hugging Face Transformers library, contributing to a 25% increase in summarization efficiency on large datasets.
- Deployed the text summarization system as a web service, serving over 1000 daily requests with an average response time of 100 milliseconds, ensuring high availability and scalability.
- Deployed URL : https://huggingface.co/spaces/I-Am-SnowFlake/text-summarizer101.

Rule-based Chat Bot | *Python, NLTK, Re Module.*   **Feb 2024**
- Developed a chatbot with a list of recognizable patterns and corresponding responses.
- Created a chatbot with a list of recognizable patterns and corresponding responses.
- Created a dictionary to store reflections in the same format as the built-in reflections dictionary.
- Gained knowledge in enhancing the functionality of a chatbot by implementing various patterns and responses.

Next Word Prediction Model | *Python, NLTK ,Tensorflow*   **Dec 2023**
- Designed a user-friendly interface for users to input text and receive real-time predictions for the next word in a sentence.
- Utilized NLP (Natural Language Processing) techniques, Python programming language, and libraries such as NLTK and TensorFlow for building and training the prediction model.
- Processed and cleaned text data to prepare it for model training, including tokenization, removing stopwords, and handling punctuation.
- Conducted thorough testing and validation to ensure the model's accuracy and reliability in predicting the next word in various contexts.

Technical Skills

Languages: Python, C, C# , HTML, CSS , JavaScript , SQL, NoSql.
Developer Tools: VS Code, Atom , Sublime Text , X-Code.
Technologies/Frameworks: Express, Node Js, React Js, Django, MongoDB, Pytorch, Tensorflow, GitHub, Pandas, Matplotlib.
Operating System: Windows, Linux , Mac.