Abhinav Kotnala
Email-id : **abhinavkotnala103@gmail.com**
Mobile No.: **9084402971**,
https://github.com/Abhinavkotnala

ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
2021 - Present	B.TECH in Computer Science	Graphic Era University, Dehradun	8.33/10
2021	C.B.S.E	Shri Guru Ram Rai Public School	90.00 %
2019	C.B.S.E	Shri Guru Ram Rai Public School	88.00 %

PROJECTS

- **Advanced Stock Prediction Using LSTM with Attention Mechanism** *(2023)*:

  ○ Developed a predictive model for Apple Inc. stock prices using LSTM networks in TensorFlow.

  ○ Incorporated an attention mechanism to improve prediction accuracy by focusing on relevant time steps.

  ○ Preprocessed financial data for training, including feature scaling and time-series manipulation.

  ○ Achieved higher predictive accuracy compared to traditional LSTM models.

- **Human Counting Using OpenCV** *(2023)*:

  ○ Created a human detection and counting system using OpenCV and computer vision techniques.

  ○ Integrated the model with CCTV footage for real-time monitoring of human presence.

  ○ Applied motion detection and tracking algorithms to count people in a scene.

  ○ Planned for integration with AI-vision systems in surveillance applications.

- **Depression Therapy Chatbot Using Sentiment Analysis** *(2024)*:

  ○ Developed a chatbot to provide therapeutic conversations for individuals dealing with depression.

  ○ Used sentiment analysis to understand user emotions and tailor responses accordingly.

  ○ Trained the model using conversational datasets and fine-tuned for empathetic responses.

  ○ Deployed the chatbot for testing to evaluate its effectiveness in aiding mental health support.

- **BigMart Sales Analysis** *(2024)*:

  ○ Analyzed BigMart sales data to understand the impact of different factors on product sales.

  ○ Preprocessed and cleaned the dataset, including handling missing values and feature engineering.

  ○ Built and trained machine learning models to predict sales based on various input features.

  ○ Provided actionable insights to improve store-level strategies and boost overall sales performance.

TECHNICAL SKILLS

- **Programming Languages**: Python/C/C++(Intermediate), HTML/CSS/JavaScript, SQL (MySQL), Java (Basic)

- **Fundamentals**: DBMS, Operating Systems, Frontend Web Development, Data Analysis, Machine Learning, Deep Learning

- **Tools**: VsCode, Streamlit, Gradio, Git, GitHub

- **Machine Learning Tools**: TensorFlow, Keras, Scikit-learn, PyTorch

SCHOLASTIC ACHIEVEMENTS

- **Google Cloud Platform**: Completed certification in cloud technologies.

- **Amazon Web Services (AWS)**: Achieved certification in AWS services.

- **TensorFlow**: Achieved certification in TensorFlow.

- **Google Professional Data Engineer (GPDE)**: Achieved certification in GPDE services.

STRENGTHS

- **Adaptability**: Quick to learn and adjust to new technologies and environments.
- **Time Management**: Efficient in organizing tasks and meeting deadlines.
- **Problem Solving**: Strong analytical skills to identify and resolve challenges effectively.