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Eshaan Trehan

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EDUCATION

Dublin, Ireland	Trinity College Dublin	September 2022 - Current

- **Major:** Computer Engineering, Bachelor's in Engineering.
- **Program Coursework:** Data Structures & Algorithms, Software Design Analysis, Microprocessor Systems

Punjab, India	Thapar Institute of Engineering &Technology	September 2020 – August 2022

- **Major:** Computer Engineering, Bachelor's in technology
- **Program Coursework:** Operating Systems, Computer Networks, Database Management System, Practical Computing

EMPLOYMENT

Software Engineer, Intern	Vantage Circle	July 2021 – September 2021

- Worked on hosting an internal expense management tool on GitHub and improving the integration between the backend and database for the tool.
- Leveraged Knowledge: Git, GitHub, SQL

Software Engineer, Intern	Sysware Technologies PVT LTD.	June 2020 – August 2020

- Worked on developing ML models to analyze the current and archived incident tickets in the internal incident tool.
- The models help categorize and find patterns on the incidents, which further aided the incident team to improve their incident clearance and management.
- Leveraged Knowledge: Python, ML Libraries, and packages

SOFTWARE PROJECTS

Stock Predictor
- Created a streamlit GUI and designed a stock prediction model. The app is dynamic and can find the prediction for any stock using the Yahoo database by using streamlit.
- The model predicts stock prices using keras layers and has a testing range of 60%. The model displays the price range as well as the 50 and 200 moving averages.
- The model predicts prices and then displays the predicted price vs. actual price graphically; the model also displays the Mean absolute error.
- Utilized: Keras, NumPy, Pandas, Streamlit and Sklearn Python Libraries

News Scrapper
- Designed a news scrapper which collates, cleans, and extracts news for any given company using Bloomberg News as a source. The scraped data can be further leveraged to make news analysis and stock predictor tools.
- Utilized: The NewsApi and Pandas Python Libraries.

Reddit Bot
- Designed a Reddit Joke bot which replies to a comment with 'Chuck' in them with a random Chuck Norris Joke
- Utilized the API of the Chuck Norris Jokes database for the jokes
- Utilized: Python, Praw

CERTIFICATIONS & RESPONSIBILITIES

- **Specialization by University of Michigan (2022)** – Python for Everybody including courses [Python for Everybody, Python Data Structures, Using Python to access Web Data, Using Databases with Python, Capstone Project with honors]
- **Course by University of Michigan (2022)** – Blockchain and Cryptocurrency Explained
- **Course by Indian School of Business (2022)** – Trading Algorithms
- **Course by University of California San Diego (2022)** – Algorithmic Toolbox
- **Member of ACM chapter Thapar University (2020 – 2022)**
- **Member of Enactus club Thapar University (2020 – 2021)**

SKILLS

- **Proficient:** Python, C/C++
- **Familiar:** HTML5, CSS
- **Languages:** English, Hindi, French (DELF A1 & DELF A2)