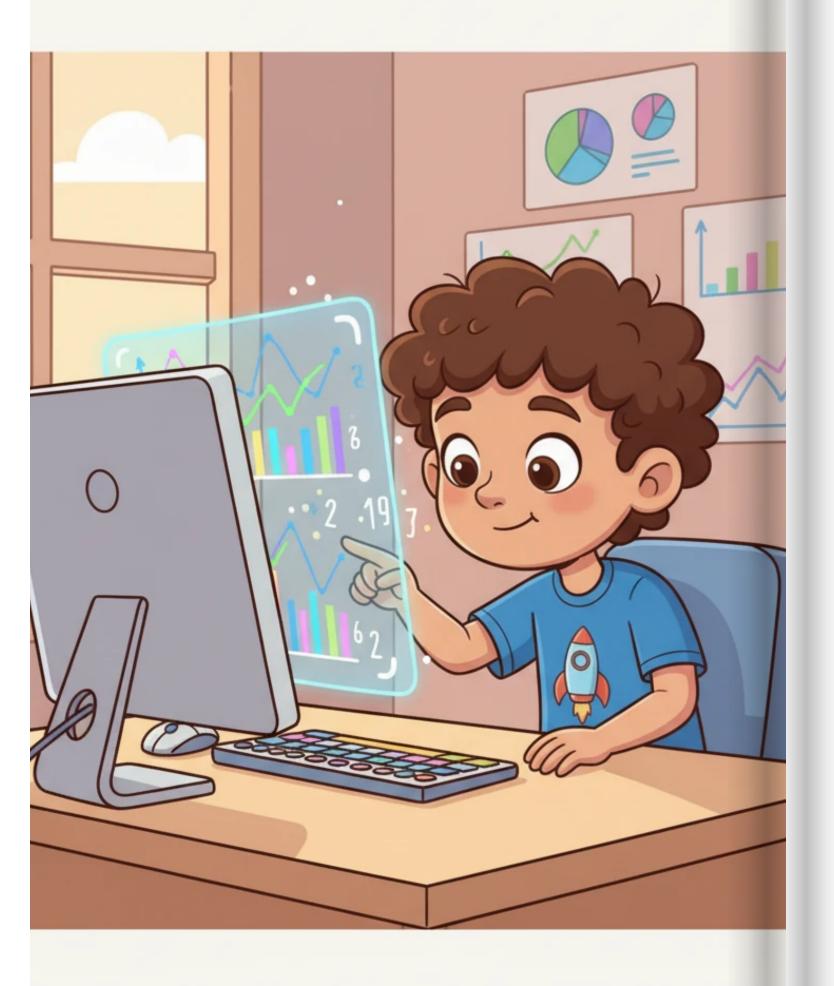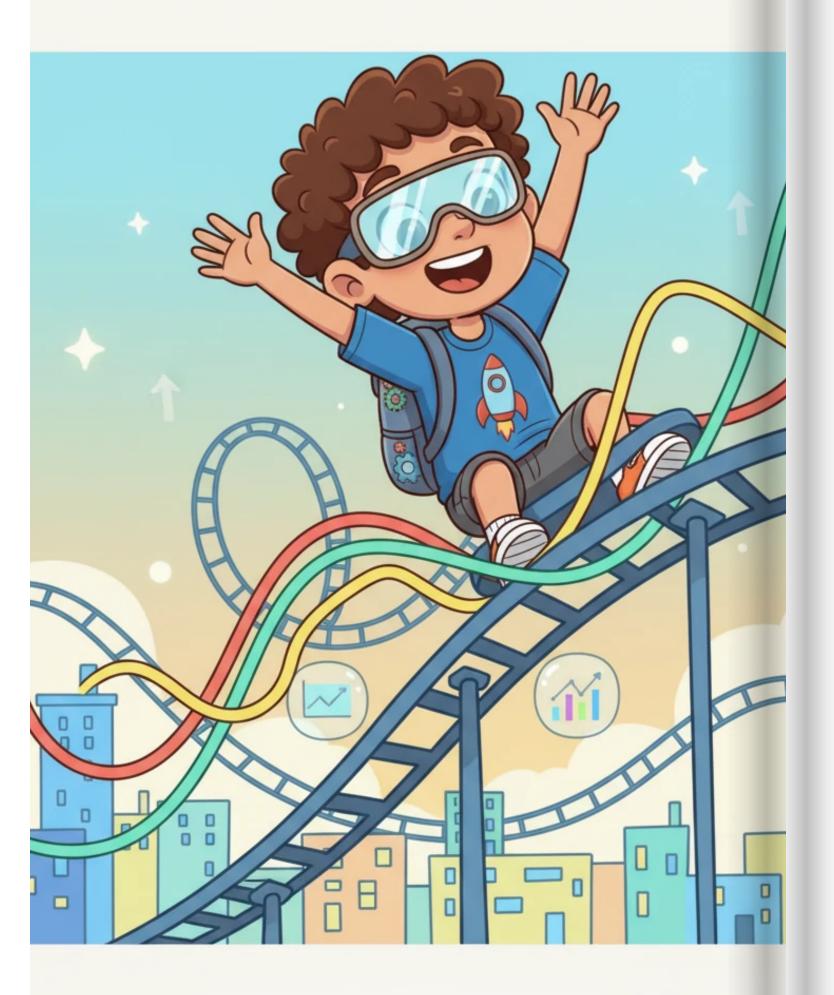# The Crypto Code

Yogeshwaran M

Alex, a curious kid with a bright mind, sits in his room, surrounded by glowing screens and colorful charts, dreaming of understanding the mysterious world of digital money.

He starts by gathering historical price data, seeing lines and numbers dance across his monitor like a secret language waiting to be deciphered.
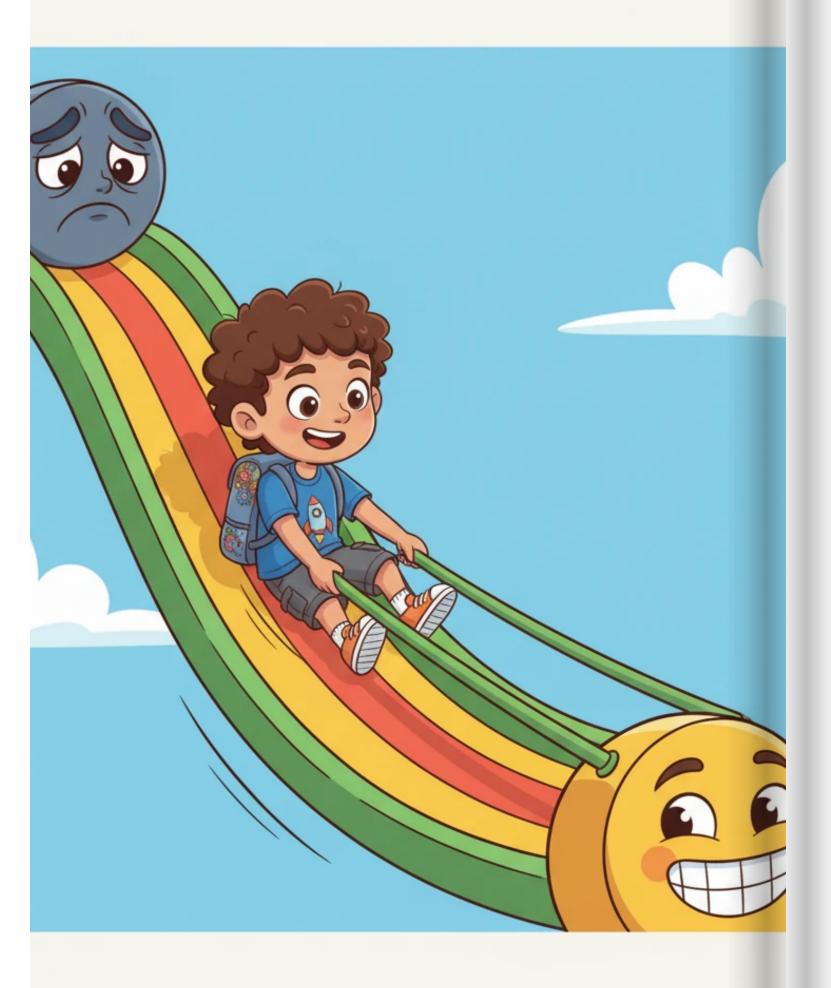
Next, Alex dives into technical indicators, drawing vibrant MACD lines and RSI waves, learning how they whisper clues about market trends.

A whirlwind of volatility analysis follows, as Alex visualizes the ups and downs of prices, understanding the rhythm of the market's heartbeat.
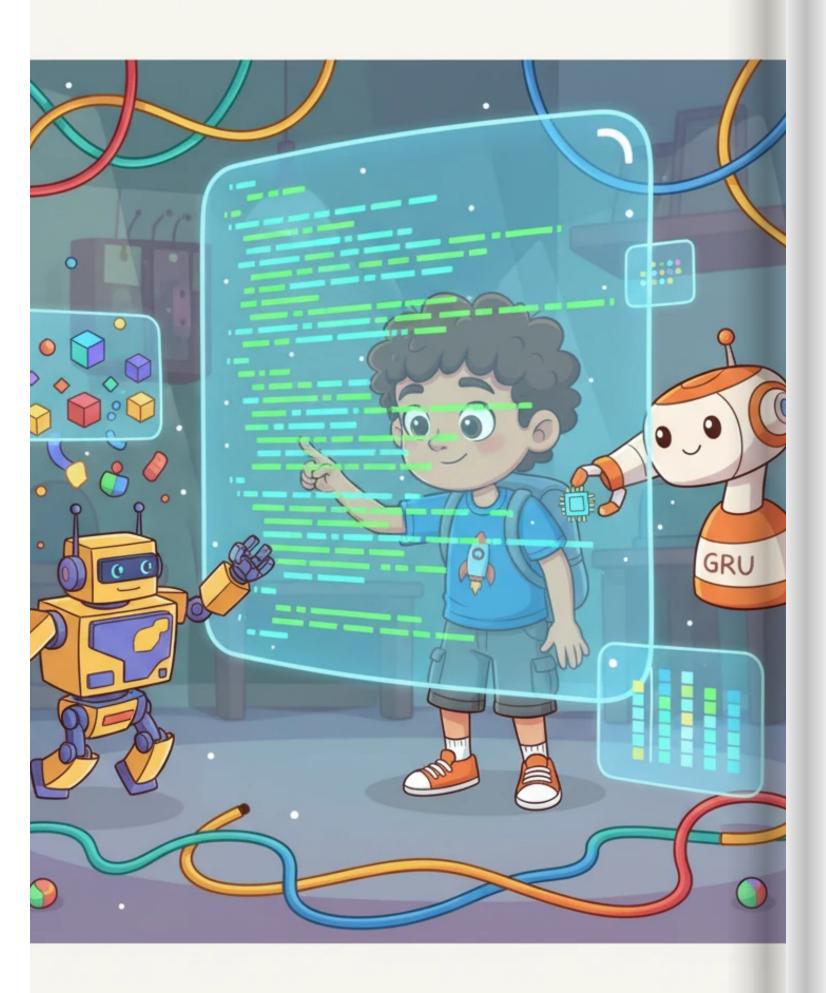
On-chain metrics appear as a complex web of connections, showing transactions and network activity, like tracking digital footprints in a vast online world.

The Fear & Greed Index is a colorful gauge, swinging between worried frowns and excited smiles, reflecting the emotions of the crypto community.

Alex then trains his first machine learning model, a friendly LSTM, which looks like a wise owl, learning patterns from all the data.

He introduces more advanced models, a powerful GRU and a clever Transformer, depicted as robotic helpers, working together to make sense of the chaos.

Finally, a speedy XGBoost model joins the team, represented by a quick-thinking fox, making rapid predictions with impressive accuracy.

With all his models working in harmony, Alex proudly displays his prediction dashboard, a vibrant tapestry of future possibilities, feeling like a true crypto wizard.