

# Heet Patel

## Data Scientist

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### Heet Patel

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## Professional Summary

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Recent Data Science graduate with a strong foundation in analytics, machine learning, and algorithm development.

Proficient in Python programming with hands-on experience in data manipulation, statistical analysis, and predictive modelling and skilled in Excel for data analysis, visualisation, and reporting.

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## Skills

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**Python:** Tensorflow, RESTful API, Keras, AI/ML, FastAPI, Async Development

**Data Visualisation:** Excel, Matplotlib, Minitab, Seaborn

**Soft Skills:** Teamwork, Public Speaking, Presentation Skills, Project Management & Organisation

**Tools & Platforms:** Github, Excel, Jupyter Notebook, PgAdmin, Linux

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## Experience

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### Future Centre Storage & Distribution Ltd, BSLLC / Data Science Intern

June 2024 - September 2024, Aylesbury

Sister companies to Astute Healthcare, operating in cosmetics and retail distribution. Responsible for monitoring and tracking international shipments to ensure timely delivery and stock availability. Worked alongside the supply chain team to troubleshoot delivery delays.

### Astute Healthcare / Data Science Intern

July 2024 - September 2023, Hitchin

Collaborated with a team of analysts to examine market trends in German medicinal sales. Assisted the company director during the acquisition of a German-based pharmaceutical company, DocPharm GmbH. Tracked and reported competitor performance via Excel reports.

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## Education

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### Nottingham Trent University / BSc in Data Science with Honours

September 2022 - July 2025, Nottingham

Graduated with 1st Class with Honours. Developed a prototype reverse-engineered Shazam algorithm for music recognition using advanced Fourier Analysis. Created an AI Music Chatbot with Image Classification, which integrated Spotify API data about artists, albums and songs. Applied CRISP-DM methodology for data cleaning, exploration, and analysis.

### St Albans School / A-Levels

September 2020 - July 2022, St Albans

Completed my A-Levels in Biology, Chemistry and Maths. Earned final grades of AAB, respectively.

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## Awards

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The Mathematics Project Prize for my music recognition dissertation during my final year in Maths. Received this to mark being the top-placed dissertation, which also produced a working concept of the Shazam algorithm.

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## Projects

Other projects are found on  
Github/my portfolio site  
(<https://patelheet.com>)

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### Statstify / Typescript, API

A powerful tool that analyses your Spotify listening history to provide in-depth insights about your music preferences. The project parses user data client-side to visualise their listening history through a Spotify-inspired UI.

### Routine Grid / Python, Django, Typescript

A habit tracking application that allows users to track both singular (yes/no) and timed (duration-based) habits in a structured format. Completed work on a Python-based API using the Django REST framework with JWT authentication. A frontend inspired by GitHub's contribution graph is being built using NextJS.

### Reverse Engineering Shazam / Python, FastAPI, JS

Recreated the Shazam app, which is a popular music recognition app owned by Apple. This was my final year dissertation, and I was awarded the Project Prize from the Maths department. A simple frontend using NextJS was built to allow ease of use for assessors.