

# Parth Kohli

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## EDUCATION

### VIT Bhopal University

*Bachelors of Technology in Computer Science and Engineering*

Bhopal, India

*Aug. 2022 – Ongoing*

### Delhi Public School

*All India Secondary School Certificate Examination*

Bulandsher, India

*May 2022*

## EXPERIENCE

### HR & Outreach Intern

*Paritranaya Global Pvt. Ltd.*

April 2024 – July 2024

*Remote Internship*

- Assisted in HR operations, outreach, and recruitment strategies in a remote work environment
- Connected the organization to 10+ talented candidates across domains, contributing to a 30% increase in recruitment efficiency
- Led and managed 3+ teams (5–8 members each), ensuring timely project execution and cross-functional coordination
- Maintained confidentiality of internal business operations and strategic plans
- Collaborated with a 6-member core team to support multiple health-tech initiatives

### Data Science Intern (Python)

*Main Flow Services and Technologies Pvt. Ltd.*

February 2025 – April 2025

*Remote Internship*

- Completed a Data Science with Python internship under the Ministry of Corporate Affairs and MSME
- Developed 8 data-driven projects over 2 months, applying statistical analysis, data visualization, and machine learning techniques
- Demonstrated strong dedication, enthusiasm, and willingness to learn, contributing effectively to assigned tasks
- Gained hands-on experience with Python libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn

## PROJECTS

### Book Recommender System | *Python, Scikit-learn, Pandas, NumPy, K-Means Clustering*

- Built a content-based recommender using K-Means clustering on a dataset of 8000+ books
- Clustered books based on genre, author, and metadata to display 6–10 similar titles
- Engineered features and optimized clustering to ensure meaningful recommendations

### Weather Data ETL Pipeline | *Apache Airflow, Astro CLI, Python, REST APIs, PostgreSQL*

- Designed and deployed a scalable ETL pipeline to fetch and store daily weather data from a public API
- Configured DAGs in Airflow to automate data collection for 5+ countries over 7+ days with flexible date and location support
- Transformed raw weather data (temperature, windspeed, etc.) and loaded into a structured PostgreSQL table
- Enabled real-time weather tracking and future expandability for 50+ locations with minimal configuration

### Tumour Detection Model | *Inception Model, TensorFlow, Keras, Data Augmentation, Early Stopping*

- Developed a CNN-based tumour detection model using the Inception architecture on a dataset of 20,000+ medical images
- Augmented 15,000+ images to improve model generalization and robustness
- Implemented early stopping to prevent overfitting and optimize training efficiency
- Achieved validation accuracy and test accuracy of 96%, demonstrating strong predictive performance

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C/C++, SQL (PostgreSQL), JavaScript, HTML/CSS, R

**Frameworks & Libraries:** TensorFlow, Keras, Scikit-learn, pandas, NumPy, Matplotlib

**Developer Tools & Platforms:** Git, Docker, Apache Airflow, Apache, Kafka, AWS, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Visual Studio

**Other Technologies:** REST APIs, WordPress, Material-UI