

# Shuhul Bhat

Sydney,Australia

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My Portfolio - <https://shuhulbhat.github.io>



## Education

Master of Information Technology (Data Analytics)	University of Technology Sydney, Australia
Bachelor of Engineering (I.T.)	Maharashtra Institute of Technology, Pune

## Research Projects

### Movie Recommender System

- Created a movie recommender system at different levels of complexity using TMDb and movie-lens datasets. Started with elementary procedures like weighted average method to more advanced methods like cosine similarity(Content based).
- The highlight of the project was, increasing the complexity of the project by using advanced algorithms for better recommendations. Successfully implemented Singular Value Decomposition algorithm which involves mathematical concepts like 'Matrix factorisation' and linear algebra. The final iteration significantly improved the quality of recommendations by not only including content based predictions, but also user-item based suggestions for more personalised predictions.

## Skills Overview

- **Analytical Skills:** Data Pre-processing, Data Mining, Normalising, Predictive Analysis
- **Technical Skills:** Classification, Predictive Analytics, Data Visualisation, Data Warehousing, Graph Theory and Information Networks , Network Routing Principles , Cloud based services and solutions , deploying applications on Firebase, Heroku
- **Database Management:** Data warehouse management techniques (Slicing and Dicing), ETL processes
- **Cloud Computing:** Hands-on experience with Amazon web services, Microsoft Azure cloud , Force.com Paas
- **Tools:** KNIME, Rapid Miner, Tableau, Power BI ,Gephi, AWS Cloud , Microsoft Azure cloud, PostgreSQL
- **Programming Skills:** Machine learning algorithms in Python, SQL ,C,C++

## Work Experience

### Huawei Technologies

(2022 - 2023)

Worked at Huawei's Global Service center as a Network analyst. My role involved working on Huawei's flagship network traffic analysis platform 'Smartcare' for a telecom giant in Botswana, Africa. Was responsible for interacting with clients regarding ad-hoc requests for network usage metrics. I also created weekly analytical reports comprised of the most used web services, mode of network and usage statistics. Other responsibilities included, complex SQL scripting, Deep packet inspection, creating low-level design, RAID config etc.

## Certifications

- **Microsoft Azure Fundamentals, Australia**  
Certified in AZ-900 and DP-900 certifications from Microsoft Azure Summer School.
- **Fundamentals of Python, Pune**  
Certified in Python programming language ( including libraries Matplotlib, Pandas, Sci-kit Learn) from Envision Training Institute, Pune
- **Project Management for Critical Facilities, Hong Kong**  
Certified in Project Management from Design to Commissioning from Hong Kong College of Engineering