Raghav Khandelwal

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EDUCATION

Manipal Institute of Technology (MAHE) Manipal, Karnataka   **Jul 2019 - May 2023**
Bachelor of Technology in Aeronautical Engineering (6 semesters completed, 3 Year CGPA: 7.69/10.0)
Relevant Course Work:
- Common Courses: Statistics, Computer Sc. Engineering, Mechanical Engineering, Electronics Engineering, etc.
- Department Courses: Flight Dynamics, Aircraft Design, Avionics & Navigation, Flight Mechanics, etc.

Online Certifications:
- R Programming: 4-week R language certification course by John Hopkins University, US
- Data Scientist Toolbox: 5-week data science certification course by John Hopkins University, US
- Microsoft Excel Advanced Skills for Business: 4-module certification course by Macquarie University, Australia
- Excel Basics for Data Analysis: 5-week certification course by IBM
- Fundamentals of Visualization with Tableau: 4-week certification course by University of California, Davis
- Data Visualization and Dashboards with Excel and Cognos: 4-week certification course by IBM

EXPERIENCE

Air India Engineering Services Limited, Boeing 747 Hangar, Old Airport Mumbai   **June 2022 – July 2022**
Student Trainee
- Trained at PW 4056 Engine Overhaul Facility at AIESL, Mumbai.
- Learned the working and design of CFM56-7B engine which is used in narrow-body Boeing 737 aircraft.
- Worked on General Electric GE90 and GEnx engines along with Honeywell & PW APU's which are used in Boeing B777 and B787 aircrafts.
- Learned about and worked on the different essential components of an aircraft such as APU, Cockpit Avionics, Air Conditioning, In-Flight Entertainment systems, Pressure Vessels.

Grail Insights, Noida   **July 2021 – August 2021**
Project Intern
- Built a model to analyze word associations from given data and visualize it.
- Used Python to pre-processes and clean text data and it's NLTK to generate n-grams, POS tagging and exporting it in a readable format.
- Used Tableau to create a dashboard that filtered word associations based on a string of text.

ACADEMIC PROJECTS

Boeing 787 – 10M Aircraft Academic Project
Manipal Institute of Technology, AAE 2256: Flight Mechanics   **April 2021 – June 2021**
- Calculated aircraft performance data on the basis of different aircraft weight, altitude, load factor and weather conditions.
- Created outputs using table and charts on Microsoft Excel to help visualize findings across multiple variables

ACTIVITIES

AeroMIT, Management Team, July 2020 – Jan 2021
- Helped in handling the team's finances and inventory management, social media accounts along with graphic designing, video editing etc.

SKILLS

- Animation, Media: Luxion Keyshot (Intermediate), Adobe Premiere Pro, Adobe After Effects, Adobe Illustrator
- Computer Languages: R, Python (Basic), C# (Basic)
- Data Analysis & Visualization: Tableau Desktop, Tableau Prep Builder, Power BI, Microsoft Excel, Microsoft PowerPoint, Alteryx Designer, IBM Cognos.