

# Raghav Khandelwal

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## EDUCATION

**Manipal Institute of Technology (MAHE) Manipal, Karnataka**

**July 2019 - July 2023**

Bachelor of Technology in Aeronautical Engineering with Minor in Data Science (CGPA: 7.66/10.0)

*Relevant Course Work:*

- Common Courses: Statistics, Computer Sc. Engineering, Mechanical Engineering, Electronics Engineering, etc.
- Department Courses: Rocket Propul., Advanced Propul. Sys., Avionics & Navigation, Flight Mechanics, etc.

*Online Certifications:*

- Data Science: Foundations using R: 5-courses specialization by Johns Hopkins University, US
- R Programming: 4-week R language certification course by John Hopkins University, US
- Fundamentals of digital marketing: 24-module course by Google
- Microsoft Excel Advanced Skills for Business: 4-module certification course by Macquarie University, Australia
- Fundamentals of Visualization with Tableau: 4-week certification course by University of California, Davis

## EXPERIENCE

**iD Fresh Foods, Bangalore**

**Feb 2023 – June 2023**

Finance & Data Science Intern

- Used Python with SQL to process ETL workloads on massive datasets to better understand routing and manufacturing efficiency.
- This data was then visualized in Power B to understand and predict better and accurate loading of delivery vans.
- With the Accounts team, I worked to create a tool that would help in managing the routine invoices the company got.
- The tool made with Excel and SAP helped in reducing most of the manual data processing and a faster loading of the invoices in the system.

**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.

## 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's, altitude, load factor and weather conditions.
- Created outputs using table and charts on Microsoft Excel to help visualize findings across multiple variables

## SKILLS

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