

Keshav Kumar

Aeronautical Engineer

Aeronautical engineer with expertise in aircraft design, analysis, and optimization. Proficient in CAD software, aerodynamics, and project management. Proven track record of successful aircraft development and improvement

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AERONAUTICAL ENGINEERING

B.TECH

PUNJAB STATE AERONAUTICAL ENGINEERING COLLEGE (PSAEC), Est by Govt. of Punjab

08/2019 - 07/2023,

8.02/10.0

XIITH(CBSE)

S.D. VIDYA MANDIR, PANIPAT

03/2018 - 06/2019,

NON MEDICAL 79.4%

XTH(CBSE)

S.D. VIDYA MANDIR, PANIPAT

04/2016 - 05/2017,

8.08 CGPA

WORK EXPERIENCE

Aeronautical Analyst

Hi-Tech Digital Solutions

01/2023 - 01/2024,

Ahmedabad

Regularly review and analyze AIP amendments, which contain critical information about changes in airspace, and airport procedures, regulations, and other aeronautical data.

Achievements/Tasks

- Ensure that AIP amendments are accurate, up-to-date, and compliant with national and international aviation standards. Cross-reference information from AIP amendments, AIRAC amendments, Supplements to (update charts as needed to reflect changes in procedures/navigational aids, and airport layouts.
- Examine and verify the accuracy of flight charts, including en-route charts, approach plates, and airport diagrams. Continuously monitor NOTAMs, which provide timely information about temporary changes or hazards affecting flight operations.
- Assess the impact of NOTAMs on flight routes, airport operations, and airspace utilization.

Design Trainee

BRAHMASTRA AEROSPACE

11/2022 - 12/2022,

Worked on the Design of the Airfoil and its analysis using Catia and Ansys Software. Worked on importing the airfoil (UNACA 0012, 2412 etc.) to CATIA V5 and analyzed it with various boundary conditions.

INTERESTS

Flight Dispatcher

Management

Communication

Propulsion

SKILLS

Microstation

Microsoft Power BI

MS Office

Solidworks

Communication

TRAINING

Training for Aerodrome Chart Production(Hitech Digital Solutions) (01/2023 - 04/2023)

- I learnt and passed the aerodrome, sid, star and IACs chart production training.

TURBOSHAFT ENGINE (SPV MENTORS)

- I worked on the KLIMOV TV2 117A turboshaft engine used in Mil Mi8 Military Helicopter(Russian).
- I Dissembled and Ressembled its various components such as the compressor, accessory gearbox, annular combustor, turbine Compressor and Free) etc.
- I Learned how to apply Theory to a Real Engine Such as Various Efficiencies, Pressure Ratios etc. I did My Training From SPV Mentors, Chandigarh Under Wing Commander(Prof. Dr.) Arvind Kumar Vig and Flt Lt. Ranjit Chauhan.

CERTIFICATES

Aerodrome Chart Production Completion Certificate

Geospatial Inputs for Enabling Master Plan Formulation

Completion of the qualification round of INTERNATIONAL ASTRONOMY AND ASTROPHYSICS COMPETITION

Geospatial Inputs for Enabling Master Plan Formulation" conducted by IIRS (INDIAN INSTITUTE OF REMOTE SENSING) and Indian Space Research Organization (ISRO)

Certificate on Project Management

MATLAB

EF SET certificate with a score scale of C2 proficient

ACHIEVEMENTS

CM Scholarship (08/2019 - 07/2023)

I have achieved 50% deduction in my college tuition fees by the govt of Punjab every semester because of my good academics.(7.5+ CGPA in every semester)

Inter College Quiz Competition (04/2021 - 05/2022)

Won intercollege quiz competitions twice in a row (2021, 2022) conducted by MRSPTU, Bathinda