

RAVI JAISWAL

Integrated Dual Degree (AE)
Indian Institute of Technology Kanpur, Kanpur

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EDUCATION

Degree	Performance	Board/University	Year
BT-MT Dual - Aerospace Engineering	PG: 8/10 UG: 7/10	IIT Kanpur	2011 – 2016
Grade XII	86.8%	Army Public School CBSE Board	2010
Grade X	77.0%	Army Public School CBSE Board	2008

PROFESSIONAL EXPERIENCE

AIRBUS, BANGALORE | Engineer, Avionics Software & System Testing

Software Developer (Flight Warning System)

(July 2016 – Present)

- Contributed software engineering expertise in the development of products related to Flight Warning Software through the software development lifecycle (SDLC), from requirements definition through successful deployment
- Analyse, Design, Develop, execute and review the work Products
- Designing, and Performing Unit Testing and Integration Testing

Python Developer

(July 2017 – Present)

- Involved in Data Analytics Community
- Worked for Guide Book for safety using NLP on accident reports

TECHNICAL SKILLS

- Programming Languages: C, C++, Python, Assembly, Pascal, Latex, HTML
- Software Applications: MATLAB, NI LabVIEW, MS Office
- Hands on Experience in databases: Basic SQL, MongoDB (No SQL)
- Relevant Courses: **Data Structures**, Differential & Integral Calculus, Linear Algebra, **Fundamental of Computing**
- Certifications:** 1) Data Analyst Nanodegree (Udacity) <https://confirm.udacity.com/PD5NKL>
- 2) Machine Learning (Stanford Online) <https://www.coursera.org/account/accomplishments/certificate/Y8EH63D2WBHX>

M.TECH. THESIS

Development of Fixed Wing Control | Supervisor: Mangal Kothari

(May 2015 – Jun 2016)

- Designed an adaptive control utilizing **DLC** (Direct Lift Control) method
- Developed and simulated a **neural network** based **modern control** on a fixed wing model
- Fusion of **Dynamic Inversion** and **Neuro-Adaptive** method is implemented & will be tested on fixed wing UAV
- The **algorithm** is **robust** enough to learn large variations in plant parameters and dynamics

PROJECTS AND RESEARCH EXPERIENCE

Identify Fraud from Enron Dataset | Data Analyst Nanodegree, UDACITY

(Dec 2018 – Jan 2019)

- Applied machine learning techniques
- Identify fraud from the publicly available Enron dataset that contains financial and email data
- Used several algorithms like Regression, Naive Bayes, Decision Trees, PCA, Cross Validation and SVM
 - https://github.com/jravi92/enron_email_fraud

Wrangle OpenStreetMap Data | Data Analyst Nanodegree, UDACITY

(Nov 2017 – Jan 2018)

- Improved the data quality of Bangalore, India with data wrangling by python.
- Modify and delete unqualified data about wrong street name and postcode
- Stored clean data in MONGO DB for query and exploration
 - https://github.com/jravi92/wrangle_OpenstreetMaps_data

Titanic Data Exploration | Data Analyst Nanodegree, UDACITY

(Oct 2017 – Nov 2017)

- Used Python and apply exploratory data analysis techniques to explore Titanic dataset
- Created a complete report and above 20 visualizations
- Discover the differences based many factors on survival, provided some interesting findings
 - https://github.com/jravi92/titanic_data_exploration

POSITIONS OF RESPONSIBILITY

Mentor | Avanti, Chapter IIT Kanpur 2013-14

(July 2013 – Apr 2014)

- Monitored extensively the academics of 2 allotted fellows by tutoring and doubt solving session decided mutually
- Assisted in goal setting and counselled the fellows by weekly conversations and meetings

Student Guide | Counselling Service, IIT Kanpur

(July 2012 – July 2013)

- Helped group of 6 freshmen to assimilate into institute culture and managed their formalities during registration
- Worked with a group of 130 students to successfully conduct the 5 days Orientation Program of 2012

EXTRA-CURRICULAR INVOLVEMENTS

- Active member of KHEL Committee at AIRBUS, organise team building events
- Made a short film as a part of course : Worked on the script, camera angling, direction of the movie also editing of videos **Hobbies:** Photography, Singing, Playing Badminton and Skating