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Web:
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Nationality:
Indian

Birth:
24.12.1989

Marital Status:
Married, No children

Languages:
- English, Hindi, Odiya (Native level proficiency)
- German (A2)

Achievements and Awards:
- National Talent Search Scholarship
- D.A.V Scholarship
- 7th rank in State in All India Senior School Certificate Examination

Sattwik Suman Das

M.Sc. Data Analytics and Decision Science
RWTH Aachen Business School

Profile

- 7 years of work experience in Space Industry
- Internship experience in Autonomous Driving, Machine Learning, Database Migration and Web-development
- Academic projects in supply chain modelling, optimization, machine learning and reinforcement learning.
- Seeking Master's Thesis opportunity in the Industry

Professional Experience

10/2020 – present
Autonomous Driving Intern, Bosch
Renningen, Germany
- Synchronization of data labels with Lidar and Camera data
- Data Augmentation of 3D Point Cloud Data

02/2020 – 10/2020
Consultant Intern, IMP³ROVE European Innovation Management Academy EWIV (A Kearney Subsidiary)
Düsseldorf, Germany
- Database migration with SQL and Python
- Design of website with WordPress
- Research for consulting projects

09/2012 – 09/2019
Engineer (R&QA), U.R. Rao Satellite Centre, Indian Space Research Organization
Bengaluru, India
- Vibration testing on Spacecraft and sub-systems
- Project Manager (QA-Mech) for Oceansat-3 spacecraft
- Database Management Tool for digitization of workflow

Education

10/2019 – present
M.Sc. Data Analytics and Decision Science, RWTH Business School, Aachen, Germany
Coursework: Data Structures and Algorithms, Machine Learning, Predictive Modelling, Optimization Models, Heuristics Optimization and Strategic Management.
Overall Grade: 1.1 (after 2 semesters)

08/2008 – 06/2012
B.Tech. Aerospace Engineering, Indian Institute of Space science and Technology, Thiruvananthapuram, India
Minor: Navigation, Guidance and Control
Overall Grade: 8.78/ 10

Skills:

- Data Science
- Machine Learning
- Artificial Intelligence
- Time Series Analysis
- Optimization
- Supply Chain Management
- Database Management
- Web-design
- Project Management
- Quality Assurance
- Vibration Testing

Programming Languages:

- Python
- R
- SQL, C++, MATLAB (Elementary Proficiency)

Tools and Utilities:

- Microsoft Office
- Spyder, PyCharm, Jupyter Notebook
- WordPress
- Photoshop

Additional Training:

- Machine Learning A-Z
- The Python Mega-course
- Artificial Intelligence in Business
- Basics of Data Analytics
- Vibration and Noise Control in Engineering Structures and Systems
- Structural Analysis and Design optimisation for Engineering Structures and Systems
- ISO 9001 2015 Internal Quality Auditor

Hobbies and Interests:

- Driving
- Podcasts
- Teaching
- Music
- Cooking

Academic Projects

02/2021 – 03/2021
Efficient trash collection using Artificial Intelligence, RWTH Aachen Business School
The project involved creating a Reinforcement Learning model to aide efficient garbage collection.

04/2020 – 07/2020
Robust and Stochastic method for Supply Planning by modelling the uncertainty in demand, RWTH Aachen Business School with Barkawi Management Consultants
The project involved Forecasting over historical demand data, Deterministic Dynamic Programming for supply planning and Stochastic Modelling over demand scenarios to take care of uncertainty in demand.

11/2019 – 12/2019
Predicting Bankruptcy using Machine Learning, RWTH Aachen Business School
Project involved handling large data frames, implementing Machine Learning methodologies to make predictions, and analysing and reporting the results.

01/2012 – 04/2012
Design and Analysis of low-cost unmanned airship for flood relief with a novel multi-chamber concept, Indian Institute of Space science and Technology
The project involved designing, manufacturing and flight testing a scale model of the airship.

Publications

2016
Indian National Society for Aerospace and Related Mechanisms Conference
Raghavendra B. Kulkarni, Sattwik Suman Das, Simulation Methodologies for various mechanism sub-systems for dynamic testing

2012
9th International Airship Conference, Ashford
Sattwik Suman Das, Shashank S, Tanveer Ali, Pankaj Priyadarshi, Design and Analysis of low-cost unmanned airship for flood relief

References

Lisa Berle, Project Leader & Partner Management, IMP³ROVE European Innovation Management Academy EWIV
lisa.berle@kearney.com

Sumeet Kumar, Project Manager, Indian Space Research Organization
sumeet@ursc.gov.in