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|  |  | **Sattwik Suman** Das  M.Sc. Data Analytics and Decision Science  **Address:** Ditzingen, Germany | **Phone:** +49 15225853167  **Email:** sattwik.das@rwth-aachen.de  **Web:** linkedin.com/in/sattwiksuman, github.com/sattwiksuman |
| Profile:  * 7 years of work experience in Space Industry. * Internship experience in Autonomous Driving, Machine Learning, Database Migration and Web Development. * Seeking Master’s Thesis opportunity in the industry.   **NATIONALITY:** Indian  **Birth:** 24.12.1989  **Marital Status:** Married  **Skills:**   * Data Science * Machine Learning * Artificial Intelligence * Reinforcement Learning * Time Series Analysis * Optimization * Supply Chain Management * Database Management * Web Design * Project Management * Quality Assurance * Vibration Testing   **TOOLS and utilities:**   * Python * R, SQL, C++, MATLAB (elementary proficiency) * Microsoft Office * Spyder, PyCharm, Jupyter Notebook * WordPress * Photoshop   **Achievements and Awards:**   * National Talent Search Scholarship * D.A.V Scholarship * 7th rank in State in All India Senior School Certificate Examination |  | EDUCATIONM.Sc. Data Analytics and Decision Science, RWTH Business School, Aachen, Germany 10/2019 – present  Coursework: Data Structures and Algorithms, Machine Learning, Predictive Modelling, Optimization Models, Heuristics Optimization and Strategic Management  Overall Grade: 1.1 (after 2 semesters) B.Tech. Aerospace Engineering, Indian Institute of Space Science and Technology, Thiruvananthapuram, India 08/2008 – 06/2012  Minor: Navigation, Guidance and Control  Overall Grade: 8.78/ 10 WORK EXPERIENCEAutonomous Driving Intern, Bosch, Renningen, Germany 10/2020 – present   * Synchronization of data labels with Lidar and Camera data * Augmentation of 3D Point Cloud data * Training ML models on multimodal sensor data * Deployment of code using Git and Jenkins   **Consultant Intern, IMP³ROVE European Innovation Management Academy EWIV (A Kearney Subsidiary),** Düsseldorf, Germany  02/2020 – 10/2020   * Database migration with SQL and Python * Design of website with WordPress * Secondary research for consulting projects   **Engineer (R&QA), Project Manager (QA-Mech) for Oceansat-3 spacecraft, U.R. Rao Satellite Centre, Indian Space Research Organization,** Bengaluru, India  09/2012 – 09/2019   * Vibration testing on spacecraft and subsystems * Database management tool for digitization of workflow * ISO 9001:2015 QMS implementation and internal auditing  PUBLICATIONS Raghavendra B. Kulkarni, Sattwik Suman Das, **Simulation Methodologies for Various Mechanism Subsystems for Dynamic Testing,** Indian National Society for Aerospace and Related Mechanisms Conference, 2016  Sattwik Suman Das, Shashank S, Tanveer Ali, Pankaj Priyadarshi, **Design and Analysis of Low-Cost Unmanned Airship for Flood Relief**, 9th International Airship Conference, Ashford, 2012 |

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| **CERTIFICATION AND TRAINING:**   * Basics of Data Analytics, Indian Institute of Science * Vibration and Noise Control in Engineering Structures and Systems, Indian Institute of Science * Structural Analysis and Design Optimisation for Engineering Structures and Systems, Indian Institute of Science * ISO 9001 2015 Internal Quality Auditor, Indian Space Research Organization * Combinatorial Optimization at Work, TU Berlin and Berlin Mathematical School   **LANGUAGES:**   * English, Hindi, Odiya (Native level proficiency) * German (A2)   **HOBBIES AND INTERESTS:**   * Driving * Podcasts * Teaching * Music * Cooking |  | Academic Projects **Efficient trash collection using Artificial Intelligence,** RWTH Aachen Business School  02/2021 – present  Creating a Reinforcement Learning model to aid efficient garbage collection.  **Robust and Stochastic method for Supply Planning by modelling the uncertainty in demand,** RWTH Aachen Business School with Barkawi Management Consultants  04/2020 – 07/2020  Forecasting over historical demand data, Deterministic Dynamic Programming for supply planning and Stochastic Modelling over demand scenarios to take care of uncertainty in demand.  **Predicting Bankruptcy using Machine Learning,** RWTH Aachen Business School  11/2019 – 12/2019  Handling large data frames, implementing Machine Learning methodologies to make predictions, and analyzing and reporting the results.  **Design and analysis of low-cost unmanned airship for flood relief with a novel multi-chamber concept,** Indian Institute of Space science and Technology  01/2012 – 04/2012  Designing, manufacturing and flight testing a scale model of the airship. References **Lisa Berle, Project Leader & Partner Management,** IMP³ROVE European Innovation Management Academy EWIV  [lisa.berle@kearney.com](mailto:lisa.berle@kearney.com)  **Sumeet Kumar, Project Manager**, Indian Space Research Organization  sumeet@ursc.gov.in |