

Debaraj BARUA

Master Student in Autonomous Systems | Software Developer

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WORK EXPERIENCE

May 2020 November 2019	Intern, MERCEDES-BENZ AG, Stuttgart, Germany <ul style="list-style-type: none">Worked on an R&D project for anomaly detection in gearboxes using machine learning. <div>Python TensorFlow Keras Pandas Numpy Scikit-learn</div>
September 2019 July 2018	Software Engineering Intern (part-time), AUTODESK, Bonn, Germany <ul style="list-style-type: none">Worked on developing infrastructure for a cloud based data processing pipeline.Creation and extension of backend services, front-end components, and related command line tools.Involved with continuous integration of the platform with Jenkins and creation of automated tests. <div>JavaScript Node.js DynamoDB AWS S3 Mocha Jenkins VSCode</div>
June 2018 September 2017	Software Developer (part-time), ALL THINGS INTERNET GMBH, Sankt Augustin, Germany <ul style="list-style-type: none">Worked on back-end development for the start-up.Developed the database; worked on related routes and functionalities. <div>JavaScript Node.js MongoDB PostgreSQL VSCode</div>
November 2016 November 2014	Software Engineer, TECHMAHINDRA, Pune, India <ul style="list-style-type: none">Worked as a developer for PeopleSoft HRMS applications.Involved in developing solutions for new requirements, root cause analysis and bug fixes, performance improvement and unit testing. <div>Oracle PeopleSoft HRMS Oracle SQL PL/SQL JAVA JEE</div>

EDUCATION

Present April 2017	Masters of Science in Autonomous Systems, HOCHSCHULE BONN-RHEIN-SIEG, Sankt Augustin, Germany <ul style="list-style-type: none">Grade so far : 1.7Credits Completed : 75
2014 2010	Bachelor of Technology in Mechanical Engineering, TEZPUR UNIVERSITY, Assam, India <ul style="list-style-type: none">8.38 out of 10 CGPA (Equivalent German Grade : 1.8)Thesis : "Design, analysis and fabrication of a hybrid three wheeler vehicle"

COMPETENCIES

Programming	Python, Matlab, Javascript(Node.js, React), Java, C++, JEE, HTML, CSS
ROS	rospy, ros geometry (tf), ros filesystems, visualization (rviz, rqt_plot, rqt_graph), simulation (gazebo)
Databases & Related Tools	SQL (PL/SQL), DynamoDB (Amazon S3), MongoDB
Development Tools	Visual Studio Code, Eclipse, Jupyter Notebook, Shell Scripting, Jenkins, Git, Vim
Operating Systems	Windows, Linux Ubuntu

AWARDS & RECOGNITION

- Recipient of multiple awards from **TechMahindra Ltd** for work commitment and performance.
- Co-authored a paper entitled "**Development of an Efficient Hybrid Tricycle**", 5th International and 26th National Conference on All India Manufacturing Technology, Design and Research Conference, IIT Guwahati, Assam, India (December 12-14, 2014). pp 572(1-7) ISBN : 978-8-19274-612-8.

+ LANGUAGES

English	● ● ● ● ●
Assamese	● ● ● ● ●
Hindi	● ● ● ● ○
Bengali	● ● ○ ○ ○