Debaraj BARUA
Master Student in Autonomous Systems | Software Developer

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💼 WORK EXPERIENCE

Present July 2018	**Software Engineering Intern (part-time), AUTODESK, Bonn, Germany** ❯ Working 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. JavaScript Node.Js DynamoDB AWS S3 Mocha Jenkins VSCode
June 2018 September 2017	**Software Developer (part-time), ALL THINGS INTERNET GMBH, Sankt Augustin, Germany** ❯ Worked on back-end development for the start-up. ❯ Developed the database; worked on related routes and functionalities. JavaScript Node.Js MongoDB PostgreSQL VSCode
November 2016 November 2014	**Software Engineer, TECHMAHINDRA, Pune, India** ❯ Worked as a developer for PeopleSoft HRMS applications. ❯ Was involved in developing solutions for new requirements, root cause analysis and bug fixes, performance improvement and unit testing. ❯ Was also involved in providing technical support for the relevant applications. Oracle PeopleSoft HRMS Oracle SQL PL/SQL JAVA JEE

🎓 EDUCATION

Present April 2017	**Masters of Science in Autonomous Systems, HOCHSCHULE BONN-RHEIN-SIEG, Sankt Augustin, Germany** ❯ Grade so far : 1.7 ❯ Credits Completed : 75
2014 2010	**Bachelor of Technology in Mechanical Engineering, TEZPUR UNIVERSITY, Assam, India** ❯ 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	●●○○○