

# 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, including 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), 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", 5<sup>th</sup> International and 26<sup>th</sup> 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	●	●	○	○	○