



# Rupam Bhattacharya

## SOFTWARE DEVELOPER

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<https://rupambhattacharya.github.io>

<https://github.com/rupambhattacharya>

More than six years of experience as a software developer focussing on innovation.

Area of interest includes data science, designing and creating high level architectural designs for large systems, autonomous driving, Internet of Things, natural language processing, blockchain, developing intelligent speech assistants and chatbots,

### EDUCATION

- **M.Sc Computer Science**
- **Technical University of Munich**
- Munich, Germany
- April 2015 - May 2018
- Specialisation in Artificial Intelligence and Distributed Systems
- Master Thesis - Predictive Maintenance of Batteries in Industrial Datasets
  
- **B.Tech Information Technology**
- **West Bengal University of Technology**
- Kolkata, India
- July 2007 - July 2011
- Specialisation in Software Engineering
- Bachelor Thesis - Web-based Learning Management System

### EXPERIENCE

- **Senior Software Engineer**
- **Burda Forward GmbH**
- Munich, Germany
- October 2018 - Ongoing
- Develop a content platform for publishers in Germany from scratch
- Tools and Technologies include nodejs, Python, Java, AWS (API Gateway, Cognito, Dynamo DB, S3, Elastic Search, Redis, Athena, SNS, SQS, Cloudwatch, IAM, SSM, EC2, Step Functions, AWS SDK, AWS Code Commit and Code Pipeline), Grafana, Serverless, Continuous Integration and Delivery, GraphQL, Docker, Postman, Git, Jenkins, SourceTree,

- **Software Developer (Working Student)**
- **AutoScout24 GmbH**
- Munich, Germany
- June 2018 - September 2018
- Applying machine learning to improve user experience on platform
- Backend Development for listings on platform
- **Full Stack Software Developer**
- **Motius GmbH**
- Munich, Germany
- September 2017 - February 2018
- Integration of Amazon Alexa as a voice command system into the operating room of Richard Wolf.
- Development of Alexa Skills in nodejs, python and deployment in AWS
- Designing of Architecture to communicate with API's
- Continuous Integration with Gitlab CI
- **Master Thesis Intern**
- **BMW Group**
- Munich, Germany
- September 2016 - May 2017
- Deep Learning Researcher at BMW Innovation Lab
- Responsibility included working on BMW Car Streaming Data to increase the insight on driving patterns, sequential learning using recurrent neural networks, data preprocessing and data storage
- **Data Analyst Intern**
- **Airbus Group Innovations**
- Munich, Germany
- February 2016 - July 2016
- Tasks included Virtual Flight Simulation using XPlane and ROS, Image Processing, Data Visualisation using Qlik View and Qlik Sense
- Data Center Setup at Airbus Defence and Space, Manching
- **Programmer Analyst**
- **Cognizant Technology Solutions**
- Kolkata, India
- December 2011 - August 2014
- Java EE Developer for clients like Delta Airlines, Travelers Insurance Canada, PHH Mortgage, Facility Maintenance
- Technologies included Struts 2, Spring MVC, Hibernate, GWT, EJB and Liferay

## TECHNICAL SKILLS

- Programming Language - Java, Python, C++, R, ROS, Javascript
- Oracle Certified Java Professional 6.0
- Cloud - AWS, Azure
- Deep Learning - Tensorflow, Caffe, Theano, Keras
- Experience in Web application , Alexa Skill and Android development

## PERSONAL INFORMATION

- Nationality - Indian
- Language - English (Fluent), German (Intermediate), Bengali (Native), Hindi (Fluent)