







# Harini Gunabalan

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 [harinigunabalan.github.io](https://github.com/harinigunabalan) |  [github.com/harinigunabalan](https://github.com/harinigunabalan) |  [stackoverflow.com/users/4401023/harini-gunabalan](https://stackoverflow.com/users/4401023/harini-gunabalan)

## Professional Experience

### SAP SE, Walldorf, Germany [Software Developer]

June 2016 – Present

**Metering, Cloud Reporting & Analytics:** Implemented a Central Reporting Hub, which collects usage information from the metering service that in turn fetches usage data from different data-centers of SAP Cloud Platform. Similar open source project - [Cloud Foundry Abacus](#). BusinessObjects-Cloud (SaaS offering) architectural design to connect to HANA instances in different landscapes through cloud connector/reverse proxy.

### SAP Research, Darmstadt, Germany [Student Researcher & Master Thesis]

July 2015 - May 2016

Predictive Auto scaling & [Feedback Driven Development for Cloud Applications](#) using data modeling. Research work as a part of the [CloudWave Project](#), an EU funded research project. Developed Software Tools, Eclipse Plugins, and SAP Web Analytics framework.

### SAP SE, Walldorf, Germany [Intern, Active Global Support, EMEA]

April 2015 – June 2015

Performance Analysis of SAP System metrics such as work processes, CPU consumption etc., at the production environment. Analyzing MDX queries, snapshot overviews for each of the Application Servers, Error messages, and Performance Statistics Reports.

### Deloitte Consulting India Private Limited [Business Technology Analyst]

Jun 2011 – Sep 2013

Provided custom SAP ERP solutions to 5 Fortune 500 Clients from USA, Germany, Canada, and France through custom ABAP programs.

## Skills, Achievements and Co-Curricular Activities

Languages: Java, Shell (Bash), JavaScript, Android, SQL, Node.js, jQuery, ABAP, HTML5, CSS3, SAP UI5, REST APIs, Bootstrap  
Platform/DB: Cloud Foundry, SAP HCP, IBM Bluemix, Elastic Search, SAP HANA, MS SQL, MySQL, Hibernate, MATLAB, Jmeter  
OS/IDE: Unix, Windows, IntelliJ IDEA, Eclipse, SAP Web IDE, Brackets, Sublime Text, Eclipse Plugin Development, LaTeX  
Others: Git/Github, Continuous Integration, Jenkins, Review-ninja, JIRA, Scrum, DevOps

## Education

### Technical University of Darmstadt (Germany)

Oct 2013 – Aug 2016

Master of Science – Distributed Software Systems

Current CGPA 1.8 (Scale: Best 1.0 and Worst 5.0)

### Madras Institute of Technology, Anna University (India)

Aug 2007 – May 2011

Bachelor of Technology – Information Technology

CGPA 8.7 / 10

## Conferences/Awards/Volunteering activities

- SAP Early Talent Ambassador for Germany 2017
- Grace Hopper Conference, 2017 [Scholarship Reviewer](#).
- [ACM Student Research Competition 3<sup>rd</sup> place Winner](#) in the Graduate Category - [Grace Hopper Conference - Houston, October 2016](#), Poster presentation on “[DevOps Auto-scaler and Critical Artifact Spotter](#)”. Presented a demo at SAP’s D-KOM developer faire, 2017.
- Speaker –Student Opportunity Lab at [Grace Hopper Conference - Houston, October 2016](#), on ‘[Speaking highly of your own work](#)’.
- Speaker – [European Conference on Service-Oriented and Cloud Computing, Vienna, 2016](#), on “[Feedback Driven Development](#)”.
- [MAKI Female Student Travel award winner](#) & ACM Travel grant to attend the [Grace Hopper Conference - Houston, 2016](#), sponsored by TU Darmstadt, ACM and Microsoft research.
- Google travel grant winner to attend [SREconEurope 2016](#) (Site Reliability Engineering), July 2016.
- [Google travel grant winner](#) to attend [Hack in the Box Security Conference 2015, Amsterdam](#).
- [Speaker](#) - GDG Rheinmain Groups on the topic [Machine Learning with TensorFlow library](#)
- Student Representative of SAP to present a prototype of DroneSpot at the [Mobile World Congress conference, 2016, Barcelona](#).
- SAP Innojam Hackathon (Coding the future, Berlin) Winner – Ticket to participate at [SAP TechEd Conference, 2015, Barcelona](#)
- Winneyr (3<sup>rd</sup> place) of the [RheinMain Hackathon](#) -University of Mainz, & Participant in the Hybris CloudHackfest.
- SAP Fast Track Award (Special Mentoring and Workshops for top 10% Students) & SAP Peer to Peer Recognition Award winner
- Best student in Communication Networks by Prof. Dr. Ralf Steinmetz to attend E-Finance Lab Best Students Event, Frankfurt, 2015.
- Spot Award-2013 Winner at Deloitte for mentoring technical new-hires, & Oracle certified Java Programmer (100% score)
- Mentor-[BigSister Network, TU Darmstadt](#) & Coach - [RailsGirls Workshop](#) & Member - Techettes Frankfurt, GDG Rheinmain, Systems
- Technical Reviewer of the “Machine Learning with TensorFlow” video Tutorials with [Packt Publishing](#).

## Masters Coursework

### 1. CASPOTT – Critical Artifact Spotter, Cloudwave, European Union Research Project

Aug 2015 – Nov 2015

Developed this Eclipse plugin to help cloud developers visualize their Cloud Application Performance in production environment.

### 2. Context Aware Opportunistic Sensing:

[LocalSiri](#) (Grade: 1.0; Top Scorer)

Oct 2014 – Feb 2015

Using IBM Bluemix Cloud to opportunistically collect location information adapting to User’s context providing a Location chat forum.

### 3. Decentralized Social Networking using WiFi Direct: [WiFriends](#) (Grade: 1.3; Top Scorer)

Oct 2014 – Feb 2015

Using Android Wi-Fi P2P to exchange profiles securely by encrypting using pre-shared key exchanged once via NFC, during adding friends.

\*\* Hackathon projects - For Other Coursework & Hackathon projects click [here](#)