Megha Jayakumar

Nationality: Indian   **Date of birth:** 24/03/1994   **Gender:** Female

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in **LinkedIn:** https://www.linkedin.com/in/megha-jayakumar-a365269b/

👤 **Github:** https://github.com/megha24051994

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WORK EXPERIENCE

Web & App Developer - Full time
Ergotopia GmBH [01/12/2020 – Current]

City: Cologne
Country: Germany

App Development - Angular, Ionic, Electron, Typescript, Serialport, Bluetooth
Web Development - VueJS, Nuxt, Shopware 6, Wordpress
- Worked on building a Mobile Application and Desktop Application from scratch using Angular, Ionic and Electron with a 2 member development team.
- Worked on a PWA project using Vue.
- Collaborated with Project Managers and Designers to develop Desktop applications, Mobile Applications, and Progressive Web Applications.
- Prioritised tasks according to company goals.

Web Developer - Werkstudentin
Ergotopia GmbH [01/04/2019 – 30/11/2020]

City: Cologne
Country: Germany

HTML, CSS, Javascript, Angular, Ionic, Bitbucket
Wordpress - Woocommerce
Website speed optimization
AMP

Data Scientist & Web Developer - (Studentische Hilfskraft)
University of Bonn [01/11/2018 – 30/03/2019]

City: Bonn
Country: Germany

- Data analysis using R programming.
- Development of an R Package
- Managing the University website (Department of Bonner Forum Biomedizin) using Plone CSS

Computer programmer
Cognizant Technology Solutions [25/11/2015 – 26/01/2018]

City: Chennai
Country: India

- Experience in designing professional web applications using technologies like HTML5, CSS3, Angular Js and Jquery.
- Develop responsive web applications. (Cross browser support)
- Experience working with Tortoise SVN, Tortoise Git, Jira and Jenkins.

- Experience in all phase of SDLC like Requirement Analysis, Implementation and Maintenance, and experience with Agile and SCRUM.
- Automation testing using Selenium.
- Team player with good organizational and interpersonal skills.

EDUCATION AND TRAINING

Bachelor of Engineering in Computer Science and Engineering
Sathyabama University [17/07/2011 – 30/04/2015]

City: Chennai
Country: India
Website: www.sathyabamauniversity.ac.in/

Major Courses:
Software engineering, Data Structures and Algorithms, Digital Computer Fundamentals, Computer Architecture and Parallel processing, Object Oriented Analysis and Design, Web Technology, , Artificial Intelligence, Network programming and management, Software Quality Assurance and Testing, Database systems.
CGPA : 8.52/10
Equivalent german grade : 1.68

Master of Science in Computer Science
Universität Bonn [08/04/2018 – 05/02/2021]

City: Bonn
Country: Germany

Major subjects :
Machine Learning
Data Science
Data analytics (R Programming)
Current CGPA - 1.6

LANGUAGE SKILLS

Mother tongue(s): **Malayalam**

Other language(s):

German	**English**
LISTENING B1 **READING** B1 **WRITING** B1	**LISTENING** C1 **READING** C1 **WRITING** B2
SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1	**SPOKEN PRODUCTION** C1 **SPOKEN INTERACTION** C1

Hindi
LISTENING C1 **READING** C1 **WRITING** C1
SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

KGBuilder - A visual knowledge graph builder using graph based exploration
[01/03/2020 – 01/12/2020]
Thesis project:

The focus of KGBuilder is to allow users to create knowledge graphs easily by using visual language elements integrated with Wikidata and Bioportal.

Web App developed using D3.js and SVGs. Wikidata integration using Sparql queries.

Link: https://github.com/megha24051994/KGBuilder-v1

Multimodal Machine Learning

[01/10/2019 – 01/01/2020]

Implemented a multilabel classifier on multimodal data (plots and movie posters) in PyTorch to predict the movie genres.

Link: https://www.researchgate.net/publication/339460949_Machine_Learning_Approaches_on_Multimodal_Data

Parallel Particle Swarm Optimization algorithm using Spark RDD

[01/05/2019 – 01/07/2019]

Particle swarm optimization is a computational method that iteratively optimizes a problem by trying to improve a candidate solution with regard to a given measure of quality. The project is upon the implementation of PSO algorithm utilizing the advantages of parallel processing in spark.

Link: https://www.researchgate.net/publication/ 338395462_Particle_Swarm_Optimization_using_Spark_framework

HONOURS AND AWARDS

"PAT on the back" award in recognition of outstanding contribution for the team
Cognizant Technology Solutions

Batch topper during the academic training in "Web Development" in Cognizant Technology Solutions.
Cognizant Technology Solutions

Certificate of Merit in all semesters for outstanding performance in academics
Sathyabama University

JOB-RELATED SKILLS

Skillset

Technologies : HTML4/HTML5, CSS2|CSS3, Javascript, Jquery, Angular Js, Angular, VueJS, Ionic, Electron.

Office Tools : MS Word, MS Excel, MS Powerpoint

CMS : Wordpress, Plone, Shopware 6, Storyblok

Development IDE : Microsoft Visual Studio, Sublime Text, Notepad++, Atom

Data Management : SQL , R Programming