Devi Radhakrishnan

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OBJECTIVE

To gain industrial exposure and to develop skills under the supervision of experts from prominent organisations in a vibrant environment..

EDUCATION

2019-current	**Masters in Computer Science and Engineering**, *Politecnico Di Milano*, Milan, Italy **.**
2014 – 2018	**Bachelor of Technology in Computer Science and Engineering**, *Amrita Vishwa Vidyapeetham*, Kollam, Kerala, India, **CGPA: 8.52/10** .
2014	**All India Senior School Certificate Examination**, *Kendriya Vidyalaya Pangode, Trivandrum*, Kerala, India, Percentage: 94.2%.
2012	**All India Secondary School Examination**, *Kendriya Vidyalaya Pangode*, Trivandrum, Kerala, India, Percentage: 99% .

ACHIEVEMENTS

November 2016	Member of the only team selected from India to be part of **Hague Hackathon for Good** organized by Municipality of Hague in Netherlands.
January 2018	Selected as an **Exchange Student** at **Aalto University**, Finland.
September 2017	Awarded **Scholarship** to attend **Grace Hopper Celebration India(GHCI)** 2017 by Anita Borg Organisation.
June 2017	Awarded **Scholarship** to attend **Summer School** on Data Mining and Bussiness Intelligence for Cyber Security Applications at **Ben Gurion University of Negev**, Israel.
April 2016	Selected for **Google Summer Of Code 2016** under **Wikimedia Foundation**.

WORK EXPERIENCE

September 2018-2019	**Technical Associate** *Corporate and Industry Relations(CIR) Department, Amrita Vishwa Vidyapeetham, Amritapuri Campus* Mentoring and providing technical assistance in skill development of Free and Open Source (FOSS) club students .

May-August 2016	**Google Summer of Code Intern**
	Wikimedia Foundation
	The project aimed at extending the Contributors extension's functionality by including more features like eliminating the lack of scalability of the extension by designing a database system for data retrieval. Various other features added include, improving the User Interface, writing maintenance script for fetching data, etc.

OPEN SOURCE CONTRIBUTIONS

August 2015-2016	Contributions to **Mediawiki Codebase and Extensions**
	Worked on MediaWiki core and its extensions with 15+ patches. Mediawiki powers Wikipedia and many other wikis used by millions of people. The contributions gave me an exposure into working with large codebases. Technologies used include PHP, HTML, Javascript, Git, Gerrit.

SELECTED PROJECTS

July-December 2017	**Title:** Prediction model for Diabetes Mellitus in Gestational Diabetes Mellitus (GDM) patients
	Description: In a collaborative work with physicians at our University hospital, Amrita Institute of Medical Sciences (AIMS), developed a tool- DRAW (Diabetes Risk Assessment for pregnant Women) for predicting the risk of DM post GDM. DRAW uses prognostic machine learning(ML) techniques that takes as input 32 predisposing factors and outputs the risk of DM.
November 2016	**Title:** Computer Based Testing Software
	Description: Implemented a software in Java which provides functionality to assess a student by a faculty. It provides a platform wherein the results of the evaluations are published.
June 2016	**Title:** Contributors Extension
	Description: The function of the extension is to provide the list of contributors to a page upon giving a request by providing the the name of the concerned page. Designed a database system for data retrieval and various other features including improving the UI, writing maintenance script for fetching data, fetching contributors to subpages, filtering anonymous users etc. The language used for development is PHP and MySQL.

TECHNICAL SKILLS

Advanced	C, C++, Python
Machine learning	NumPy, pandas, SciPy, Scikit-learn
Web	HTML, CSS, PHP, SQL, Javscript
Frameworks	Twitter Bootstrap, Flask

Other	GNU/Linux, Windows, Git, Docker

Publication

Krishnan, Devi R., et al. "Evaluation of predisposing factors of Diabetes Mellitus post Gestational Diabetes Mellitus using Machine Learning Techniques." 2019 IEEE Student Conference on Research and Development (SCOReD). IEEE, 2019.

Demonstrated Personal Skills

Mentoring: Mentor juniors of **FOSS@Amrita** in Git, Web basics, public speaking. Mentor at **SHE++**.

Leadership: Took up initiative for running the FOSS club actively.

EXTRA CURRICULAR ACTIVITIES

2014-present	**FOSS@Amrita**: Active member of Free and Open Source Software Club of our University.
December 2016	Conducted Tutorial Session for school children on **CNC routers** at **RAHA** Conference conducted at Amrita University.
October 2016	Conducted session for women coders on **Introduction to Open Source** and **Awareness regarding role of women coders in computing world**.
October 2016	Conducted session for students of BNV Higher Secondary School at Trivandrum on **Introduction to Google Code In and Awareness on new technologies and it's uses**.
August 2015	Volunteered with technical help for a 3-day **Google Code In** training camp conducted in Amrita school Of Engineering for High School Teachers to get school students to Open Source code and development.

Interests

Reading	Science Fiction, Fiction, Biography