

Ramya Balabhadrapathruni

Software Developer and ML enthusiast

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EDUCATION

VIT University.

GPA: 7.91/10

Bachelor of Technology specializing in Computer Science Engineering

Relevant Course Work – Theory of Computation, Agent Based Intelligent Systems, Programming Language Translators and Applied Mathematics courses.

- Capstone Project- E-FIR Filing System.
- Industrial Internship – Web Designing and Website Development.
- Thesis Project – Sentimental Analysis of Tweeter Data.

Vellore, India

July 2013 – May 2017

TECHNICAL SKILLS

Programming Skills:

- Python, Java, C++, ABAP.
- JAVA FX, Angular JS, Fiori, UI5.
- Hibernate, JDBC, OData.

Tools and APIs:

- Octave, Matlab, Jupiter, Eclipse, TensorFlow.
- Git, Jenkins, SVN, Gerrit.
- Scikit-learn, Keras, Tweepy, sklearn.

SAP Technologies:

- PAL (Predictive Analysis Library).
- Analytics Cloud.
- HANA Studio.
- Fiori Designer.
- Fiori LaunchPad.

Mathematical Skills:

- Linear Algebra.
- Calculus.
- Statistics and Probability.

PROFESSIONAL EXPERIENCE

SAP Labs.

Software Developer, Security PO

Bangalore, India

October 2019-Present

- Working with Oil and gas Industry and developing end-to-end Fiori and Web-Dynpro based applications (SAP specific UI applications) on SAP ERP.
- Designed, Developed and Implemented two critical Machine Learning Use Cases- Laytime Prediction and Smart Scheduling Assistant. Received 'Rookstar Rookie', an award presented by the Head of the Line of Business to one individual every year for extraordinary contributions made towards the project.
- Awarded with SPOT award for remodeling a core data service (CDS) of a live nomination creation application by spotting a grey area, drastically improving customer experience by 45%. SPOT is a praise award given out by the manager for innovative problem solving within the team.
- Improved Demurrage Prediction Algorithm to increase the accuracy of supplier turnaround time by 12%.
- Selected to be a part of SAP Techknow School Program and became SAP Certified ML Expert.
- Appointed as youngest woman Security Product Owner for Oil and Gas Downstream Team in SAP Labs Bangalore. Working on Threat modelling for various application deliveries.
- Conceptualized industry specific research to find solutions for critical customer use case. Researched Cross-industry Data for understanding feature selection processes and published the research in IEEE Xplore.
- Responsible for one of the Product Standards within the team for each development release cycle.

Infosys Pvt Ltd.
System Engineer.

Mysuru, India
December 2017-October 2019

- Reverse-engineered critical and complex QT C++ Algorithms for safety simulations of an aircraft. Independently designed and delivered the architectural and design documents for the same. Received and Insta Award by the Global Head of Engineering Services for the exemplary contributions made towards analyzing and resolving the bugs within the safety check algorithms.
- Recipient of an Insta award by the Global Head of Engineering Services for migrating Web Services of a Legacy application.
- Developed Java Based application for visualizing colour codes & customizing aircraft interiors. Streamlined the setup of the software infrastructure to test the colour customizations remotely on an aircraft model situated in Europe.
- Collaborated on all stages of system development lifecycle, from requirement gathering to production releases.

LEADERSHIP EXPERIENCE

SAP SpeakToLead Toastmasters International Club.
President

Bangalore, India
June 2021-Present

- Serving as the President of the club, to facilitate a platform for improving communication, public speaking and leadership skills. Currently mentoring 3 colleagues in improving inter-personal and presentation skills.
- Organized and conducted the 'Speechcraft by SAP SpeakToLead' program, an extensive 6week program to train selected 5 participants from the SAP Cloud Business Women Network in presentation and public speaking skills.
- Planning and overseeing club level contests, publicity activities, membership drives and many more.

SAP Early Talent Community
Early Talent Ambassador

Bangalore, India
Dec 2020-Present

- Interviewing SAP Industry Experts in Knowledge Sharing sessions with the Early Talent Community, SAP Global.
- Editor of GENGuage, SAP Early Talent Magazine.
- Organized of CGM-Cross Generational Mentorship Program to bridge the gap between the higher management and the freshers within the SAP Labs India community.
- Breaking GEN-MYTH Trainer – Spreading awareness regarding generational diversity and bridging the generational gaps created within various teams.

SAP Patent Committee
Patent Buddy

Bangalore, India
August 2021-Present

- Facilitating the Patent Filing process for the Innovators of SAP Labs Bangalore by coordinating with SAP Patent office and third-party law firms.

PAPER PUBLICATIONS

- 'Customizable Twitter Bots for Improved QoS in Product Marketing' – Published in IEEE Xplore and presented in ICECDS Conference.
- 'A Study on Analysing the impact of Feature Selection on Predictive Machine Learning Algorithms' – Presented in 2020 sixth International conference PDGC and published in IEEE Explore.