

DHARANI BALASUBRAMANIAN

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SUMMARY

A graduate student pursuing Masters degree in biomedical informatics, with undergraduate degree in biomedical engineering, and 3 years of programming experience as a developer in SAP.

EDUCATION

University of Florida, Gainesville

M.S in Biomedical Informatics

Aug 2018 (expected)

Anna University, Chennai

B.E in Biomedical Engineering

June 2011

ACADEMIC PROJECTS

- **Data science for Clinical Research:** Semantic integration for behavior research - scoping literature review for late stage cancer diagnosis and multilevel analysis.
- **Foundations of Biomedical Informatics:** Term paper surveying the existing ERP systems in healthcare.
- **Digital Signal Processing:** Comparison of IIR and FIR filter techniques in removal of powerline and baseline wander noise from ECG signal.
- **Bachelor's Junior Design:** *Muscle stimulator* - constructed an electronic bio-muscular stimulator that helps in muscle stimulation and invigoration and aids in removing cellulite.
- **Bachelor's Senior Design:** Classification of lesions as benign or malignant using K-nearest neighbor classifier, by characterizing the irregularities identified on the lesion boundary by analyzing its fractal dimensions.

WORK EXPERIENCE

Capgemini India (P) Ltd

SAP Technical Consultant

June 2012 - July 2015

Bangalore, India

- Worked as SAP technical consultant for various clients; involved in development, testing, production support and client interaction covering WMS, SRM, SD, MM and SCM modules.

Coca-Cola - Developed a vendormaster report using OOPS ALV. Developed a Web Version for Employee Productivity Report using WebDynpro(WD) ABAP. Enhanced shopping cart in SRM using WD ABAP.

L Brands - Developed reports, function modules and SmartForms; enhanced objects using WD ABAP. Developed objects using adaptive RFC model in WD Java Developed Data Dictionary objects, Batch Data Communication objects.

Becton Dickinson - Worked as SAP NetWeaver portal consultant; Created portal content such as iViews, pages etc. Portal Content Translation into Spanish, Portuguese and German

Agnite Education Ltd

Content Developer

Sep 2011 - Jan 2012

Chennai, India

- Worked as internal subject matter expert in the development of e-learning content for Biomedical Engineering related courses.
- Developed quality content for courses like Sensors, Transducers and Measuring Techniques and Biomedical Instrumentation.

Aaden Labs
Web Content Developer

Aug 2011 - July 2012
Chennai, India

- Freelanced as a web content developer for an advertising company.

INTERNSHIP AND TRAINING EXPERIENCE

Simple Labs
Chennai, India

May 2010 - June 2010

Hands-on experience in programming microcontrollers like Arduino ATmega168 and PIC16F series and built a 'Digital Speedometer' using C.

Dr.Kamakshi Memorial Hospital
Chennai, India

July 2010 - Oct 2010

Familiarized and got trained in the different medical equipments and procedures in the departments of Nephrology, Cardiology, Radiology, Neurology etc.

TECHNICAL/ COMPUTER SKILLS

Computer Languages	C, Java, Python, Javascript, HTML5
Computing Software	Matlab, Simulink, LabView
SAP technology	ABAP, Webdynpro Java, Webdynpro ABAP, UI5

EXTRACURRICULAR ACTIVITIES

- Serving as volunteer coordinator for the UF chapter of the non-profit organization Asha For Education.
- Fundraised and finished 15k Gate River Run 2016 as part of Asha.
- Served as cultural secretary of the Biomedical Engineering department in Jerusalem College of Engineering.
- Won prizes in technical paper presentation at National technical symposiums.
- "Distinction" grade in Mathematics in International Assessments for Schools conducted by The University of New South Wales.