Yamini Bhaskar

Operations Manager at Holmusk

Experience

Operations Manager at Holmusk
July 2015 - Present (4 months)

Holmusk is an innovative telehealth platform that uses data (analytics, visualization, prediction, signaling etc.) to tackle chronic diseases and influence positive health outcomes. My role as an Ops Manager involves connecting with partners, collaborators and users Startup-related tasks:creating presentations,market research and managing the daily operations of the company

Junior Trainer/Presenter at Wildlife Reserves Singapore
July 2010 - Present (5 years 4 months)

Presenting animal shows Husbandry of animals Enrichment Educating visitors about animal conservation

PHD Researcher at Nanyang Technological University (NTU Singapore)
January 2014 - November 2014 (11 months)

Functional studies about the neural circuitry in the brain and how it changes under stress using resilient models.

Research Associate at Nanyang Technological University
November 2012 - January 2014 (1 year 3 months)

Neuroscience research on stress and resilience using animal models.

Research Intern at Genome Institute of Singapore at A*Star
August 2012 - September 2012 (2 months)

Worked on identifying biomarkers that play an important role in targeted cancer therapy. Data mining to identify biomarkers in existence and their relevant drug responses in targeted cancer therapy.

Languages

Tamil	(Native or bilingual proficiency)
Hindi	(Full professional proficiency)
Kannada	(Native or bilingual proficiency)
English	(Native or bilingual proficiency)

Projects

Brain computer interfacing by EEG modulation

March 2009 to November 2009

Members:Yamini B., vinoth S., Uma Bhavani

Designed and constructed a Brain Computer Interface (BCI) using LABVIEW and ELVIS to detect visually evoked potentials and train users to control the glowing of an LED on the computer screen by voluntary electroencephalogram (EEG) modulation. This BCI system requires only two electrodes, and has a relatively short training time for both the user and the machine. This will be greatly beneficial for paralytic patients.

Auto tracking of movement of a mouse in a maze using LabVIEW:

May 2009 to May 2010

Members:Yamini B., vinoth S., Uma Bhavani, Thenmozhi

Designed and constructed a system to automatically track the movements of mice in an 8 arm radial maze. We used IR sensors fitted into the sides of each arm of the maze and connected that to a PCB which was connected to the computer with LabVIEW. This maze is designed to perform studies on the spatial learning and memory of rodents. The basic information necessary to the researchers is the entry of the mouse in each arm and the time spent by the mouse in each arm. Using the analog circuit as well as LabVIEW we were able to provide the above information.

Design of a motion capture system for upper limb movement analysis

March 2011 to December 2011

Members:Yamini B.

Designed an optimal system to track the upper limb movement of normal subjects performing activities of daily living using Qualysis Motion Tracking system and addressed issues such as occlusion of markers and space constraints to provide a stable and reliable system for future trials to be conducted on stroke patients in hospitals.

Honors and Awards

First place in paper presentation at national level technical symposium

Anna University

March 2009

Presented a paper titled "Use of biomaterials in tissue engineering" and was awarded the first place for that presentation.

Second place in paper presentation at inter collegiate symposium

Jerusalem College of Engineering

September 2008

Presented a paper titled "Use of Neural Networks in Breast Cancer Detection"

First place in poster designing competition

Bannari Amman Institute of Technology

October 2009

Designed a poster on the theme "Global opportunites and challenges of Technical Students" in the 12th ISTE Students' National Convention.

Volunteer Experience

Volunteer teacher at   SINDA

August 2011 - Present (4 years 3 months)
   Conduct reading classes for children on weekends to help them improve their english reading skills.

Certifications
RCULA
   September 2012

Skills & Expertise
Matlab
Labview
Biomedical Engineering
Image Processing
Microsoft Office
Biomaterials
Molecular Biology
Medical Devices
Microsoft Excel
Medical Research
Qualysis
Motion Capture
Data Mining
Real-time Data Acquisition
Photoshop

Education
Nanyang Technological University
MSc, Biomedical Engineering, 2010 - 2011

Anna University
Bachelor of Engineering (B.E.), Biomedical/Medical Engineering, 2006 - 2010
Activities and Societies: Student council, NGO-Third Vision

Bishop Cotton's womens christian college
2004 - 2006
Activities and Societies: Modelling, Dancing

Interests
Animals, writing, reading, artwork, travelling

Organizations
Madras Crocodile Bank Trust
Goodwill Ambassador
June 2015 to Present

Contact Yamini on LinkedIn