

# ANUSHA SREENIVASAN

THE CODING DANCER

“Enjoy the moment, believe in yourself and have no regrets”

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## WORK EXPERIENCE

### Endurance International Group | Software Engineer

#### Directi Web Technology, Business Logic Layer

June 2017 – Present

Bangalore, India

- Developed a **PCI DSS** certified application which securely stores customers' credit card images by **Image Processing** of sensitive data using **OpenCV** and **Secret Management** using **HashiCorp Vault**
- Did root cause analysis on customer complaints pertaining to Email Migration and brought it to a **Zero Level** resulting in high customer satisfaction and productivity improvement
- Presented an **Expert Speak Session** on HashiCorp Vault to the entire organization to ensure best security practices in all projects

### Morgan Stanley | Intern

#### Investment Management Information Technology

May 2016 – July 2016

Bangalore, India

- Developed CRISM, an inventory of thousands of report requests classified based on location, schedule and client requirements

## RESEARCH EXPERIENCE

### Detection of Diabetic Retinopathy

#### Guides: Dr. B Narsing Rao, Dr. S Natarajan

- Detected **Red Lesions** and **Exudates** using **Retinal Image Processing** and **Textural Feature Extraction**. The detected features were fed to a **decision tree classifier** that predicted the presence of Diabetic Retinopathy with an accuracy of **94.4%**
- Final layer of an **Inception-v3 Convolutional Neural Network** was re-trained to classify retinal images as DR and normal with an accuracy of **88.8%**

### Video Web Tagging

#### Guides: Dr. Dinkar Sitaram, Dr. Subramaniam Kalambur

#### External Guide: Dr. Ramesh Jain, University of California, Irvine

- Modeled video as a **Social Event Web**, which is a complex graph with hyperlinks between events which were discovered within the video by mining for data using context from the event web and domain knowledge.

## SELECTED PUBLICATIONS

- 'Image Processing, Textural Feature Extraction and Transfer Learning based detection of Diabetic Retinopathy' — Invited for Oral Presentation at the **9<sup>th</sup> International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB)** at the National University of Singapore, January, 2019
- 'Sangati - A Social Event Web Approach to index videos' — Presented at the **7<sup>th</sup> International Conference on Advances in Computing, Communications and Informatics (ICACCI)**, 2018
- 'An effective screening approach for detection of Diabetic Retinopathy' — Medical E-poster at the **26<sup>th</sup> Annual Conference of Vitreo Retina Society of India (VRSI)**, 2017

## SKILLS

Python, Django, Flask, Java, Spring, Springboot, HashiCorp Vault, OpenCV, PostgreSQL, MySQL, TensorFlow, OpenExchange Docker, Git, Bitbucket, TensorFlow, Google Refine, Stanford Parser, ANVIL, NLTK, Deep Learning, Matplotlib, WEKA, LaTeX, Ubuntu, HTML, CSS, Bootstrap, PHP, Javascript, Numpy, Postman, Robot Testing, Lombok

## EDUCATION

### PES Institute of Technology

#### B.E. in Computer Science

August 2013 – May 2017

- Cumulative GPA : **9.19/10**
- Courses** : Data Mining, Big Data, Natural Language Processing, Linear Algebra, Calculus, DBMS, Finite Automata and Formal Languages, Compiler Design, Data Structures, Algorithms

### National Public School

#### Central Board of Secondary Education

June 1999 – May 2013

- 12<sup>th</sup> Board Examination: **92.8%**
- 10<sup>th</sup> Board Examination: **GPA : 10/10**

## ACHIEVEMENTS

- Einstein Award** for **Delivering Perfection** at Endurance International Group (Directi)
- Scholarship for **Fist Class with Distinction** in all 8 semesters of Undergraduate Studies
- All India percentile score of **99.1662** in Mathematics, CBSE
- First class with Distinction** in Vedic Mathematics (Ancient Indian Mathematics)
- 27<sup>th</sup>** rank in National Talent Search Examination out of about 900,000 students. Recipient of scholarship

## EXTRA CURRICULAR

### HACKATHON

- All India Winner** of Wonder Coders Hackathon, Walmart Labs

### SOCIAL RESPONSIBILITY

- Volunteer at **Youth For Seva**. Taught English and Mathematics to underprivileged middle school students

### ACADEMIC MEMBERSHIP

- Member of Hong Kong Chemical, Biological and Environmental Engineering Society (**HKCBES**)

### BHARATHANATYAM DANCER

- Graded Bharathanatyam Dancer, certified by Doordarshan Kendra (**Indian National Television**)
- Secured **First Class with Distinction** in both junior and senior dance examinations

## LEADERSHIP

- 2013-2017 : Captain of PESIT Basketball Team
- 2012-2013 : School Captain
- 2011-2012 : School Vice Captain
- 2008-2009 : Science Club President
- 2007-2008 : Junior Sports Captain