

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

Product Development, Business Logic Layer

June 2017 – Ongoing Bangalore, India

- Developed a **Payment Card Industry Data Security Standard (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 a root cause analysis on customer complaints pertaining to Email Migration and brought it to a **Zero Level** which resulted in high customer satisfaction and drastically improved productivity
- Presented an **Expert Speak Session** on HashiCorp Vault to the entire organization to ensure best security practices in all projects
- Python, Django, Java, Spring, Vault, OpenCV, PostgreSQL, Docker, Bamboo

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

January 2017 – May 2017 Retina Institute of Karnataka

- 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. K V Subramaniam, Dr. Ramesh Jain

May 2015 – April 2016 Center for Cloud Computing and Big Data

- Modeled video as a **Social Event Web**, which is a complex graph with hyperlinks between events
- Hidden hyperlinks 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 **9th 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 **7th 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 **26th Annual Conference of Vitreo Retina Society of India (VRSI)**, 2017

EDUCATION

PES Institute of Technology

B.E. in Computer Science

August 2013 – May 2017

- Cumulative GPA : **9.19/10**
- Major GPA : **9.21/10**

National Public School

Central Board of Secondary Education

June 1999 – May 2013

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

ACHIEVEMENTS

- Scholarship for **First 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)
- 27th** rank in National Talent Search Examination out of about 900,000 students. Recipient of scholarship

EXTRA CURRICULAR

HACKATHON

- Winner** of Wonder Coders Hackathon, Walmart Labs

SOCIAL RESPONSIBILITIES

- 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 for Bharathanatyam

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