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 – 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
- Python, Django, Java, Spring, SpringBoot, Vault, OpenCV, PostgreSQL, Docker, Bamboo, OpenExchange, Bitbucket

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
- Java, SpringMVC, Git

RESEARCH EXPERIENCE

Detection of Diabetic Retinopathy
Guides: Dr. B Narsing Rao, Dr. S Natarajan

📅 January 2017 – May 2017   📍 PESIT & 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%**
- Python, Flask, OpenCV, TensorFlow, GoogleNet Inception-v3 CNN

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 which were discovered within the video by mining for data using context from the event web and domain knowledge.
- Python, OpenCV, Google Refine, MySQL, Stanford Parser, ANVIL

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 **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)
- **27th** 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 **(HKCBEES)**

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