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 **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

SKILLS

Python, Django, Flask, Java, Spring, Springboot, HashiCorp Vault, OpenCV, PostgreSQL, MySQL, TensorFlow, OpenExchange Docker, Git, Bitbucket, 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

- 12th Board Examination: **92.8%**
- 10th 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)
- 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