ANUSHA SREENIVASAN THE CODING DANCER

"Enjoy the moment, believe in yourself and have no regrets"

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in linkedin.com/in/anusha-sreenivasan   github.com/anusha-sreeni95   ▶ Anusha Sreenivasan

WORK EXPERIENCE

Endurance International Group | Software Engineer
Product Development, Business Logic Layer

📅 June 2017 – Ongoing   📍 Bangalore, India

- Developed a **PCI DSS** certified application which securely stores customers' credit card images by **Image Processing** of sensitive data and using **HashiCorp Vault** for Secret Management
- 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.
- Java, SpringMVC

RESEARCH EXPERIENCE

Detection of Diabetic Retinopathy
Advisors: 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
Advisors: 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

B.E. in Computer Science
PES Institute of Technology

📅 August 2013 – May 2017

Cum. GPA: **9.19/10**
Major GPA: **9.21/10**

STRENGTHS

Creative & Logical Thinking   Leadership
Hardworking   Communicative   Coder

SCHOLARSHIPS

- **Fist Class with Distinction** in all 8 semesters of Undergraduate Studies
- **92.8%** in class 12th CBSE board examination
- All India percentile score of **99.1662** in Mathematics, CBSE
- CGPA of **10/10** in class 10th CBSE board examination
- **First class with Distinction** in Vedic Mathematics (Ancient Indian Mathematics)
- **27th** rank in National Talent Search Examination out of about 900,000 students

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
- Donation of blood twice a year

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

Sports
- **Runners up** at 'Infini', inter-collegiate basketball tournament, PESIT
- **Winner** of inter-school district level throwball championship

LANGUAGES

English & Tamil   ●●●●●
Hindi, Kannada & Sanskrit   ●●●●○