

ANUSHA SREENIVASAN

The Coding Dancer

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WORK EXPERIENCE

Directi Web Technology Private Limited, Bangalore — Software Engineer

JUNE 2017 - PRESENT

Designed and developed a **PCI Compliant** File Server application which securely stores customers' credit card images and other important documents. This is the only T1 asset in the organisation, and has received a certificate of compliance for adhering to all requirements as listed in **PCI DSS**(Payment Card Industry Data Security Standard). The application was developed using a **Django** framework with **PostgreSQL** as the database and **HashiCorp Vault** for secret management. Chosen for an expert speak session on HashiCorp Vault to ensure the best security standards are in place in all projects in the organization. Also a Java developer in the Business Logic Layer of Email Hosting.

Morgan Stanley, Bangalore — Summer Intern, Investment Management Information Technology

MAY 2016 - JULY 2016

Developed **CRISM**(Control of Report Inventory and Schedule Matrix), an application to manage the workflow of report requests. This application is an inventory of thousands of reports which can be classified based on location, schedule and requirements of the client.

RESEARCH EXPERIENCE

Image Processing, Textural Feature Extraction and Transfer Learning based detection of Diabetic Retinopathy

Detected **Red Lesions** and **Exudates** in the retinal images from publically available **STARE**, **HRF** and **MESSIDOR** datasets as well as a novel dataset provided by the doctors at the Retina Institute of Karnataka. Used two approaches to detect the presence of DR. The first approach involves extracting features using **retinal image processing** and **textural feature extraction**, and uses a **Decision Tree Classifier** to predict the presence of DR. The second approach applies **Transfer Learning** to detect DR in fundus images. The accuracies obtained by the two approaches were **94.4%** and **88.8%** respectively. Published a Medical e-poster at the **Vitreous Retina Society of India(VRSI) Conference, 2017**. Also, presented a

EDUCATION

PES Institute of Technology, Bangalore
B.E. in Computer Science
August 2013 - May 2017
GPA - 9.2/10

National Public School, Bangalore
CBSE
June 1999 - March 2013
12th Board - 92.8%
10th Board - 10/10

PROGRAMMING SKILLS

Languages
Python, C, Java
Frameworks
Django, Spring
Databases
PostgreSQL, MySQL
IDEs
Atom, IntelliJ, Eclipse
Tools and Software
OpenCV, HashiCorp Vault, Bamboo, Docker, ANVIL, Weka

LINKS

LinkedIn
<https://www.linkedin.com/in/anusha-sreenivasan-94bb93ba/>
GitHub
<https://github.com/anusha-sreeni95/>
YouTube
<https://www.youtube.com/channel/UCfeUHStJAxTSS7KHrkU1ThA/>

technical paper at the **International Conference of Bioscience, Biochemistry and Bioinformatics(ICBBB)**, 2019. Guided by Dr. B. Narasinga Rao and Dr. S. Natarajan.

Sangati - A social event web approach to index videos

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. Experimented on **sports videos** which demonstrates the effectiveness of the framework, and proves richer **hyperlinks** between video segments, thereby extending the reach of WWW to include hidden content within videos and enabling users to share such links. Submitted a technical paper which has been accepted at the **International Conference on Advances in Computing, Communications and Informatics(ICACCI)**, 2018. Guided by Dr. Dinkar Sitaram, Dr. K. V. Subramaniam from PESIT and Dr. Ramesh Jain from the University of California, Irvine(UCI).

HACKATHON

All Is Well - Winner of the Wonder Coders Hackathon, Walmart Labs

All is well is an initiative to **streamline community work** and **volunteer activities**. In India, community work lacks standardization and support and most people have to go through informal channels to get connected to volunteering opportunities and have to get certificates from NGOs to prove their contribution. All is well is a single portal where one can find opportunities to **connect to NGOs**, **donate** and most importantly **list all the community work** achieved by the individual at one place without going through the hassle of certificates. It also offers unique features such as **profile sharing**, **scoring** and **donation requests**.

ACCOMPLISHMENTS

1. **Winner of Wonder Coders Hackathon**, conducted by Walmart Labs, 2018.
2. Recipient of scholarship from PESIT for **First Class with Distinction** in every semester.
3. Volunteer at **Youth For Seva**. Taught English and Mathematics at government schools to underprivileged, middle school students, 2015.
4. **Graded Bharatanatyam dancer**, certified by Doordarshan Kendra, 2014.
5. Cleared **Bharatanatyam junior and senior examinations** with **Distinction**, accredited by the **Government of Karnataka**.
6. Secured a **state rank of 27** in **National Talent Search Examination**, recipient of scholarship, 2008.
7. **Runners up**, inter-collegiate **basketball** tournament, PESIT, 2014
8. **Winner**, inter-school district level **throwball** championship, 2008
9. Secured **High Distinction** in **Vedic Maths**, 2009

RESPONSIBILITIES

School Captain

2012 - 2013

School Vice Captain

2011 - 2012

Science Club President

2008 - 2009

Sports Captain

2007 - 2008

EXTRA-CURRICULAR ACTIVITIES AND INTERESTS

Classical Dance

Trained in Bharatanatyam for 18 years at Rasika Academy of Performing Arts. Have performed at various prestigious festivals and cultural events.

Carnatic Music and Veena

Trained in carnatic music and veena for 16 years. Performed at various events.

Sports

Played for the school and college basketball teams as one of the main 5 players. Also part of the school badminton and throwball teams.