

# ANUSHA SREENIVASAN

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## EDUCATION

University of Southern California, Los Angeles

August 2019 - May 2021 (Expected)

Master of Science in Computer Science

- Courses - Foundations of Artificial Intelligence (CSCI 561), Analysis of Algorithms (CSCI 570)

PES Institute of Technology, Bangalore

August 2013 - May 2017

Bachelor of Engineering in Computer Science

GPA : 9.19/10.00

- Relevant courses - Data Mining, Natural Language Processing, Big Data, Linear Algebra, Computer Networks

## TECHNICAL SKILLS

**Languages** Python, Java, C, Bash, SQL, HTML, CSS, Javascript, JQuery, AJAX

**Frameworks** Django, Spring, SpringBoot, Robot

**Tools** HashiCorp Vault, OpenCV, Docker, PostgreSQL, Bamboo, Git, Lombok, Apache Camel, Excel

## WORK EXPERIENCE

Endurance International Group (Directi Web Technology), Bangalore

June 2017 - June 2019

Software Engineer — Business Logic Layer

- **Architected** the organization's only T1 asset to securely store customers' credit card images using Django framework, PostgreSQL as database and HashiCorp Vault for secret management.
- **Delivered** all aspects of the project - communicating with stakeholders, design, development, deployment and most importantly security. Received the **certificate of compliance** for adhering to all **PCI DSS** requirements.
- **Evaluated** HashiCorp Vault and took the technology beyond the project by helping other teams across the organization implement security related best practices through an **Expert Speak** session.
- **Developed** a product to host emails for over **1,000,000 customers** worldwide using Spring framework, PostgreSQL as database and Robot framework to perform automated tests. **Designed** a new control panel and migrated the entire project from Spring to Springboot using Apache Camel and Lombok.
- **Performed** root cause analysis on customer complaints pertaining to email migration and brought it to **zero level**. This resulted in high customer satisfaction and drastically improved productivity.

Morgan Stanley, Bangalore

May 2016 - July 2016

Software Engineering Intern — Investment Management Information Technology

- **Developed** an inventory of thousands of reports classified based on location, schedule and client requirements.

## PROJECTS AND PUBLICATIONS

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

doi 10.1145/3314367.3314376

- **Performed** retinal image processing and textural feature extraction using a **decision tree classifier** to detect manifestations in the eye such as red lesions and exudates with an accuracy of **94.4%**.
- **Classified** retinal images as normal or affected by re-training the final layer of an **Inception V3 Convolutional Neural Network** with an accuracy of **88.8%**.
- **Presented** at the 9<sup>th</sup> International Conference on Bioscience, Biochemistry and Bioinformatics.

Sangati - A Social Event Web approach to index videos

doi 10.1109/ICACCI.2018.8554606

- **Modeled** videos as a social event web with hyperlinks formed by mining using context and domain knowledge.
- **Presented** at the 7<sup>th</sup> International Conference on Advances in Computing, Communications and Informatics.

## HONORS AND ACCOLADES

Best Paper Presentation award, ICBBB, National University of Singapore

January 2019

Einstein Award for Delivering Perfection at Endurance International Group

November 2018

1<sup>st</sup> place in Wonder Coders Hackathon organized by Walmart Labs

April 2018

Graded Indian National Television(DoorDarshan) classical dancer

December 2014