

ANUSHA SREENIVASAN

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EDUCATION

University of Southern California, Los Angeles

August 2019 - May 2021 (Expected)

Master of Science in Computer Science

· Data Mining, Natural Language Processing, Artificial Intelligence, Data Structures and Algorithms

PES Institute of Technology, Bangalore

August 2013 - May 2017

Bachelor of Engineering in Computer Science

GPA : 9.19/10.00

· Data Mining, Natural Language Processing, Big Data, Linear Algebra, Computer Networks, Algorithms

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 the 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

Keck School of Medicine (USC), Los Angeles

January 2020 - Present

Student Developer - Research — Laboratory of Neuro Imaging

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 9th 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 7th International Conference on Advances in Computing, Communications and Informatics.

HONORS AND ACCOLADES

Computer Science Senator of Viterbi Graduate Student Association at USC

September 2019

Best Paper Presentation award, ICBBB, National University of Singapore

January 2019

Einstein Award for Delivering Perfection at Endurance International Group

November 2018

1st place in Wonder Coders Hackathon organized by Walmart Labs

April 2018

Graded Indian National Television(Doordarshan) classical dancer

December 2014