ANUSHA SREENIVASAN

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EDUCATION

University of Southern California, Los Angeles — *August 2019 - May 2021 (Expected)*
Master of Science in Computer Science
· <u>Courses</u> - 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*
· <u>Relevant courses</u> - 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 **cerificate 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 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*