

BALLANI, YASH SUNIL

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EDUCATION

California State University Dominguez Hills, Carson, CA

Master's Degree in Computer Science

Expected: May 2019

GPA: 3.78/4

Thadomal Shahani Engineering College, Mumbai, India

Bachelor's Degree in Information Technology

May 2017

TECHNICAL SKILLS

- Programming Languages: Python, Java, Android, Shell Script
- Web Technologies: Python Django, Python Flask, HTML5, CSS3, JQuery, JavaScript, AJAX, PHP, WordPress
- Databases: PostgreSQL, MongoDB, MySQL, Oracle SQL

EXPERIENCE / ACADEMIC PROJECTS

Intrusion Detection System (IDS) Project, California, United States — Software Developer

2017

- Created Python Django web server for centralized access of task for users and remotely manage their installed device.
 - Developed native Linux app using PyQt4 for managing installed device i.e. Raspberry Pi coupled with sensors.
 - Intrusion detected using motion detectors and night vision camera and synced for centralized server for global access to user.
- Technology Used:** Amazon AWS, Python Django, PyQT4, PostgreSQL, SQLite, HTML5, CSS3, JavaScript, jQuery, Bootstrap 3, Nginx and Supervisor, Raspberry Pi 3, Night Vision Camera, Motion Sensors.

Grafana – Web Monitoring System, Mumbai, India — Software Developer

2017

- Designing various patterns for graph based UI to detect hardware and software bottlenecks / abnormalities in systems.
 - Created Automation system to deploy monitoring on servers within few minutes using Ansible to scale.
- Technology Used:** Amazon AWS, Ansible, Grafana, Graphite, PostgreSQL, Nginx, Supervisor and Raspberry Pi.

Nearfox, Zip Infosolutions Pvt. Ltd., Mumbai, India — Software Developer

2015-2016

- Migration of framework from python flask to python Django along with database migration to speed up work process.
- Development Operations including web server configuration on cloud platform Amazon AWS, schedulers/cron jobs for automation of resources and integration of third party payment API's to meet application server requirements.
- Designing of new UI/UX of website including responsive design, page speed optimization via compression of HTML, JS, CSS, Image Compression and limiting request per page to improve Search Engine Optimization for Google & Yahoo search engine.

Technology Used: Amazon AWS, Python Django, Python Flask, PostgreSQL, MongoDB, HTML5, CSS3, JavaScript, jQuery, Bootstrap 3, Nginx and Supervisor.

The Grapevine Co., Mumbai, India — Internship

2014-2015

- Designing new responsive UI/UX layout website for company branding with Search Engine Optimization integration for Google search engine.
- Developing, testing and maintenance of the website and web application along with code versioning(SCM) via Bit bucket.
- Adding various security to the web app for SQL Injection, Cross Site Scripting (XSS), Cross Site Request Forgery (CSRF), IP tracking, Password hashing & reset.

Technology Used: PHP5, MySQL, HTML5, CSS3, JavaScript, jQuery, Bootstrap 3 and Android Webview.

ACTIVITIES

- President of Cyber Security Club, CSUDH 2018
- Vice President of IEEE CSUDH Computer Society, CSUDH 2018
- Participated in Collegiate Penetration Testing Competition (CPTC), San Francisco 2017