SAMHITA ALLA

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https://samhita-alla.github.io/

An Application and a Tools Developer interested in working at the intersection of seamless functioning of the teams' and architecting applications.

Work

Application/Tools Developer   **July 2019 - Present**
Oracle, Hyderabad

- ○ Developed a sophisticated tool called Risk-based Regression Test & Test Identification Engine to help the Development and QA teams in early intervention and damage control for defects.
- ○ Formulated design strategies, product flow, user experience, and database design.
- ○ Contributed to the tool in all aspects as a full stack developer.

Machine Learning Intern   **May 2018 - March 2019**
Caravel.AI, Hyderabad

- ○ Had been a content writer alongside coding the Machine Learning algorithms from scratch.
- ○ Played a key role in developing an ed-tech platform comprising topics ranging from basic Math to intricately weaved Machine Learning and Deep Learning.
- ○ Responsible for writing Python real-time applications describing each and every concept in an elaborative style.

Education

Bachelor of Engineering in Computer Science and Engineering   **August 2015 - May 2019**
Chaitanya Bharathi Institute of Technology, Hyderabad, **CGPA: 9.64/10**.

Telangana Board of Intermediate Education   June 2013 - April 2015
Narayana Junior College, Hyderabad, 98.7%.

CBSE, Class X   April 2011 - April 2012
DAV Public School, Hyderabad, CGPA: 10/10.

Technical Skills

Programming Skills	Python, C++
Frameworks	Django, Flask, PyTorch, Bootstrap, jQuery
Operating Systems	MacOS, Windows, Linux, iOS
Front-end Languages	HTML, CSS, Javascript
Back-end Languages	SQL
Databases	Postgres, Redis, MongoDB, MySQL
Deployment Tools	Gunicorn, Nginx

Projects

Risk-based Regression Test & Test Identification Engine
- Automation of QA and Development activities by leveraging code coverage data.
- Facilitates Regression Testing and provides a Unit Testing Framework to the Developers.
- Tech stack - Python, Django, PostgreSQL, MongoDB, Redis, HTML, CSS, JQuery, Bootstrap, Gunicorn, Nginx, Machine Learning.

ThinkML
- A Machine Learning and Deep Learning platform enabling users to learn the content in one go.
- Provides both conceptual and programmatic detailed description of Machine Learning concepts.
- Tech stack - Python, Machine Learning Algorithms, Deep Learning Algorithms.

Edify - Teacher Training Platform
- Edify provides a platform wherein the teachers can interact with their fellow peers for the dissemination of content and creation of content as well, which in turn motivates them to learn content in a fun way.
- Tech stack - Django, Python, Bootstrap, Postgres.

Cube on the run (https://github.com/samhita-alla/Cube-on-the-run_UNITY)
- Game developed using UNITY 3D game development software.
- The back-end logic is implemented using a Monospace tool describing the reflexes of the cube when an obstacle is encountered and increasing the score as long as the cube hasn't fallen.
- Tech stack - C-Sharp, UNITY, Monospace.

Leadership

- Program Chair for Deep Learning Bootcamp conducted at CBIT College, Hyderabad.
- One of the chief organizers at India's first-ever Django camp, Hyderabad.
- Head student Coordinator for SUDHEE, annual technical fest of CBIT, Hyderabad.
- Speaker at Deep Learning talks, CBIT, Hyderabad.

Interests

Machine Learning and Deep Learning algorithms, REST APIs, Docker, Production-level Deployments, Server Infrastructure.