Subhasya Tippareddy

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EDUCATION

Master of Science, Computer Science   **Aug 2023 - Present**
University of South Florida, Tampa, United States (CGPA - **4.0/4.0**)
COURSEWORK: Computer Architecture, Theory of Algorithms, Security & Privacy in Machine Learning, Operating Systems, Social Media Mining, Affective Computing

Bachelor of Engineering, Computer Science and Engineering   **Jul 2018 - Jun 2022**
Neil Gogte Institute of Technology, Hyderabad, India (CGPA - **3.55/4.0**)
COURSEWORK: Object Oriented Programming in Java, C, and Python, Data Structures and Algorithms, Computer Networks, Web Technologies, Database Management Systems, Machine Learning, Data Science

WORK EXPERIENCE

Software Engineer, Experian Pvt. Ltd., India   **Sep 2022 - July 2023**
- Built an automated file scan service using airflow, that performs malware scan on external files and transfers to the destination, this service is used by more than 20 teams and over 1 million files have been transferred.
- Designed, developed and managed the environment by fixing various bugs and critical production issues.
- Mentored and onboarded 2 teammates onto the platform and explained the environment.
- Created and managed various AWS resources using Terraform - EC2, S3, VPC, EMR, EFS & other services
- Replicated the entire environment and application in another region with new resources and features.

Software Engineer Intern, Experian Pvt. Ltd.   **Nov 2021 - Sep 2022**
- Was part of the core platform infrastructure & services team
- Performed Unit testing for APIs using JUnit5, Mockito2 and achieved a code coverage of 98%
- Created and managed a platform on top of AWS for teams to automate workflow management using Apache Airflow in Single and Distributed architecture. Onboarding and support for 10+ teams

SKILLS

Languages - Python, Java, C, HTML, CSS, JavaScript
Tools & technologies - Apache Airflow, Terraform, Amazon Web Services, Jenkins, Git
Libraries - numpy, scikit-learn, OpenCV2, matplotlib, seaborn, pandas, transformers, torch, keras
Databases - MySQL, MongoDB
Frameworks - Django, REST, Junit5, Mockito, Flask, React, Nodejs (Basic)
Operating Systems - Windows, Linux
Machine Learning, Convolutional Neural Networks, Data Analysis Techniques

PROJECTS

Smart Attendance System
Developed a system to automate attendance via face recognition - record the hourly attendance in an Excel sheet and send an email. Technologies & Libraries - OpenCV, openpyxl, NumPy, Flask, MongoDB

'SnACk' – Food Ordering System
'SnACk' is a responsive website for students to pre-order food, in order to reduce the waiting time and crowd at the college canteen. Tech Stack – Django, Bootstrap, HTML, CSS, Python, SQLite

Toxic Comments Classification
Classifying comments into various categories to determine the toxicity and obscenity using BERT. Assessing Youtube's moderation, checking the relevance of the model trained with past data on the current data (collected using Youtube Data API). Libraries - transformers, torch, numpy, pandas, scikit-learn, seaborn

INTERESTS   Book reading, Cooking, Swimming
LANGUAGES   English, Telugu, Hindi