Adithya Sivasankar

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EDUCATION

PSG College of Technology
M.Sc Software Systems -2022
CGPA: **9.04**

Kamala Niketan
CBSE CLASS XII - 2017
Percentage: **94.83** %

Sri Akilandeswari Vidyalaya
CBSE CLASS X - 2015
CGPA: 10

SKILLS

Languages:
• C • C++ • Java • Python
• HTML • CSS • Bash
• Data Structures • Algorithms

Backend:
• Oracle• SQL

Tools:
• Visual Studio • MATLAB •Blender
• MAYA • VMW ESXi • VMW VSphere • govc

General:
• Public Speaking • Problem Solving
• Self-Management • Teamwork

AREAS OF INTEREST

•Object Oriented Programming
•Java Programming
•Operating Systems

EXTRA-CURRICULAR

•Won first prize in district level vocal music and veena playing competition in 2014
•Semi-finalist in INTACH quiz competition at national level in November 2014
•Finalist in Aqua-Regia Science Quiz at district level in 2014
•Member of the college music band, TekMusic
•Passionate in painting and sketching
• Badminton Enthusiast

INTERNSHIPS

Software Engineer | MAY-NOVEMBER 2020
VMWare, Inc.
• Developed a project, in Bash Script and govc, to automate the workload generation process on ESXi
• Developed a project in Python, to analyse the statistical data to identify contention in the CPU cycles consumed by various functions.

Machine Learning Developer | MAY-JUNE 2019
NIT-Trichy
• Developed a Python program that is based on Image Processing algorithms to count the stars in the night sky with images of the night sky.

PROJECTS

Reverse Shell
It is a server-client program, implemented using Python, that can be used to attack the client. The program is injected in the target machine externally and the target communicates back to the attacker. The attacker gains direct access to the victim's shell and can make any modifications to the system.

Bank-X
An online banking simulator developed using Python. It is built using socket programming with a CSV file as storage. The application generates and sends OTP and verifies users through email and SMS. This is achieved using the SMTP protocol for email and Twilio API for SMS

Pharmacopoeia system
An application developed using Java swing for the front end and Oracle 11g as the back end. The application intends to automate the process at a pharmacy. It generates a bill of drugs bought by a patient, maintains stock of the drugs and maintains records of patients and doctors.

StratForecast:
A python program to identify which data mining technique performs best when used to determine which customer and market segment would respond positively to promotions and campaigns. It attempts to use ensemble methods to improve the performance of classification algorithms for the analysis.

RecomMyShow:
A project built based on novel-hybrid user model involving the fuzzy and genetic approaches to generate recommendations of shows based on past ratings and other data of an individual. It takes into account various attributes and fuzzifies the user model before running the GA on it.