SRINIVASA ARUN YERAGUDIPATI

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EDUCATION

SSN College Of Engineering *Aug 2017 - Present*
B.E. Computer Science & Engineering
Overall GPA: 8.53

PSBB Senior Secondary School, K. K. Nagar *May 2017*
12th Standard - Marks Obtained: 475/500
School first in Chemistry in AISSCE 2017
10th Standard - CGPA Obtained: 10/10

TECHNICAL STRENGTHS

Programming Languages	Python, C, C++, Java, SQL, HTML, CSS, JavaScript
Fields	Machine Learning, Android App Development, Web Development
Libraries	NumPy, Pandas, Matplotlib, Scikit-learn, Pytorch, Tensorflow, Keras
Software & Tools	git, Jupyter Notebook, Android Studio, Vim, LaTeX, Apache Tomcat

RELEVANT COURSES

Operating Systems - Software Engineering - Object Oriented Analysis and Design - Database Management Systems - Computer Networks - Design and Analysis of Algorithms - Medical Physics - Data Structures - Compiler Design - Artificial Intelligence - Distributed Systems - Mobile Computing - Cryptography and Network Security - Cloud Computing - Big Data Analytics - Human Computer Interaction - Medical Electronics

INTERNSHIPS

TVS Electronics June 2020 - August 2020
IT Internship *Chennai, Tamil Nadu, India*

- Designing an AR Assisted video calling application for remote service of appliances
- Used Three.js, React.js and Daily.co libraries

National Centre for Coastal Research June 2019 - June 2019
Student Internship *Chennai, Tamil Nadu, India*

- Designing online forms for flood surveys
- Used OpenDataKit app to create the form and Google Sheets as a server to collect data

PROJECTS

Augmented Reality Assisted Video Conferencing Application for Remote Assistance

- Using Three.js, Daily.co and React.js to create a video call application which can be used for any remote assistance in repairing appliances
- Done as part of an Internship at TVS Electronics

ImageCLEF Tuberculosis Challenge

- Predicting probability of tuberculosis, presence of caverns and presence of pleurisy in 3D CT images of lungs using Machine Learning
- Paper Link

Home Trainer - Providing Feedback for Exercises

- Providing feedback for exercises performed by using pose estimation algorithm and a modified K-Nearest Neighbours classifier
- Final Year Project done at SSN College of Engineering

Predicting Popularity of an Advertisement on OLX

- OLX JARVIS AI Hackathon held at Shaastra, IIT Madras technical fest
- 4th Place out of 20 teams
- Project Link

Predicting Admissions to Graduate Schools using Machine Learning

- Determining the chance of getting an admit based on features like CGPA and GRE Score
- Comparing the performance of two different machine learning models
- Project Link

Malaria Cell Infection Detection

- Using Convolutional Neural Networks to classify a cell as either uninfected or parasitized
- Achieved 96.1% accuracy
- Project Link

WORK EXPERIENCE

Open Source Contributions
GitHub

- SymPy - a Python Library for Symbolic Mathematics
- intermine/intermine-ws-python - An implementation of a webservice client for InterMine webservices, written in Python