

Satya Swarup Srichandan

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SUMMARY

AI and Machine Learning expert working at India Health Action Trust for public health development. Gold Medalist from department of Computer Science, Banaras Hindu University. Also have profound programming skills in Python, Java and various other programming languages with over 4+ years of Research experience on Machine Learning, Deep Learning, Information Retrieval and Text Analytics.

EDUCATIONAL QUALIFICATIONS

Master of Computer Applications (MCA) **2018 -2021**
Banaras Hindu University, Varanasi, India
Dissertation title: "Computational Analysis of Scientific Article, metadata in Google Scholar and ResearchGate"
CGPA: 9.65

Bachelor of Science (B.Sc.) in Information Science & Telecommunications **2015 - 2018**
Ravenshaw University, Cuttack, India
Project work: "Library Automation System"
Percentage: 85.6%

12th - Intermediate in Science **2015**
Jawahar Navodaya Vidyalaya, Dhenkanal (CBSE)
Subjects: Mathematics, Physics, Chemistry, Computer Science and English
Percentage: 65.0

10th - Matriculation **2013**
Jawahar Navodaya Vidyalaya, Dhenkanal (CBSE)
Subjects: Mathematics, Science, Social Science, English and Odia
CGPA: 8.8

WORK EXPERIENCE

Consultant – Data Science **2021-**
India Health Action Trust
Uttar Pradesh Technical Support Unit (UP-TSU)
Lucknow, Uttar Pradesh, India - 226001

RESEARCH INTEREST

Programming Languages: Python, Java, C++, C#, R, Swift, Dot.NET, HTML, CSS, PHP, React, Ajax, jQuery
Databases: SQL, Access, Firebase
Other Software: MS Office, Visual Studio, Android Studio, XCode, Procreate

SUBJECTS HANDLED:

- Advance Programming (C, C++, Java, Python, R)
- Database Management Systems (SQL, Oracle, Firebase)
- Web and Mobile Application Development (HTML, CSS, PHP, Swift, .NET, React, Node, Ajax, jQuery)
- Information Retrieval and Big Data Analytics
- Data Mining & Web Crawling
- Data Structures and Algorithm, Compiler Design & Operating Systems
- Artificial Intelligence, Machine Learning, Image Processing & Deep Learning
- Cloud Computing & Software Engineering
- Computer Networks and Communication Systems

PROJECTS

1. AI based app for Cataract detection

Machine learning classification model used for detection of cataract in patient's eye. Image labeling and cohort classification algorithms used. The same algorithm then translates into mobile application for easy access of field health workers which will help identify cataract in large scale.

2. Tuberculosis identification from Chest X-Ray

Image processing algorithms are used to identify TB and 16 other lung diseases from Chest X-Ray of a person. This neural network based application will help drastically reduce the costly TB screening methods and can identify TB early and accurately.

3. Child Mortality prediction

Machine learning prediction model comprised of real-time health data to predict and minimize child mortality in India. Classification model uses various factors of health data of pregnant women to early predict the weight and chances of any disease.

4. Student - Alumni Social Network Platform

A social media platform for university Student and Alumnus. Designed to share educational experience and materials with one another inside the platform, with inbuilt real time personal and group messaging, event and post shearing, public query and answer posting features.

5. Audio Guide

Android application built for doctor and patients to share prescription and audio conversation within the app with QR code. App offers features to Lists all the appointments with doctor, in app QR generation and scanning, voice recording and modern UI design.

6. Quiz

Desktop and mobile application for online quiz and examinations. Multi user support with automated marks and grade calculation with in app progress tracker and leader board menu in the quiz part. VB.NET is used in desktop application and real time multi node server connection is used for secure data transactions.

ACHIEVEMENTS/AWARDS

- Published 7 research papers in top journals like Springer and Current science.
- Awarded 1st rank in Annual Coding Contest in Dept. of Computer Science, Banaras Hindu University.
- Qualified in GATE (Graduate Aptitude Test in Engineering) 2021.
- Qualified in NET (National Eligibility Test) 2021.
- 6 stars ranking in problem solving on HackerRank online coding website (Highest Rank on the platform)
- Learned more than 30 different programming Languages at basic level.
- Participated in Smart India Hackathon 2020 (Internal)

PERSONAL DETAILS

Name:	Satya Swarup Srichandan	<u>Links:</u>
Sex:	Male	1. linkedin.com/in/satyaswarup98
Date of Birth:	15 Feb 1998	2. github.com/satyaswarup98
Languages Known:	English, Hindi and Odia	3. hackerrank.com/satyaswarup98
E-mail:	satyaswarup98@gmail.com	4. leetcode.com/satyaswarup98
Mobile:	+91 9937464399	5. satyaswarup98.github.io

EDUCATIONAL REFERENCES

1. Prof (Dr.) Vivek Kumar Singh

Professor & Head, Department of Computer Science
Institute of Science, Banaras Hindu University, Varanasi – 221005
Email: vivek@bhu.ac.in
Mobile: +91-9415338037

2. Prof (Dr.) Sujit Bhattacharya

Professor, AcSIR| Academy of Scientific & Innovative Research
Chief Scientist, CSIR-NISTADS, New Delhi, Delhi - 110012
Editor-in-Chief, The Journal of Scientometric Research (Indexed in ESCI (Web of Science)) [jscires.org]
E-mail: sujit.personal@gmail.com
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JOB REFERENCES

3. Dr.Madhavi Devaraj, Ph.D

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Uttar Pradesh Technical Support Unit
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