Shubham Sharma

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, CHENNAI
B.Tech. in Computer Science
Expected May 2020 | Chennai, India
CGPA: 9.28 / 10.0

SUNRISE (ENG. MED.) SCHOOL
Grad. May 2016 | Kolkata, India
96.5% - class rank 1

LINKS

Github:// **shubham1172**
LinkedIn:// **shubham1172**
StackOverflow:// **Shubham Sharma**
GoogleScholar:// **Shubham Sharma**

SKILLS

Python • Java • C# • Javascript
C • x86 Assembly • Dart • Go
MySQL • Postgres • MongoDB
Flask • Express • Git • LaTeX
Android • Flutter • Dockers
Linux • Embedded Systems • IoT
Machine learning • Computer vision

COURSEWORK

UNDERGRADUATE
Artificial Intelligence
Natural Language Processing
Software Engineering
Operating Systems
Computer Architecture
Image Processing
Parallel and Distributed Computing
Microprocessors and Interfacing
Data Structures and Algorithms

MOOCS
Machine Learning
Deep Learning Specialization
Android Basics
Firebase with Android
Intro to DevOps
Scalable microservices with Kubernetes
Configuring Linux Web Servers
Introduction to Modern Application
Development

EXPERIENCE

SOFTWARE DEVELOPMENT INTERN | MICROSOFT
January 2020 -- ongoing | Hyderabad, India
July 2019 -- September 2019 | Hyderabad, India
- Worked on Common Data Service's backend in Dynamics 365
- Dealt with maintenance of time zones & daylight savings changes

ENGINEERING INTERN | GMETRI
May 2019 -- June 2019 | Bengaluru, India
- Wrote a Content Delivery Network in Go for optimized image delivery, capable of on-the-go transformations
- Managed DevOps - Orchestrated and deployed containers in production

PUBLICATIONS

[1] **S. Sharma**, A. Negi, and P. J, "Gini index and entropy based evaluation: A retrospective study and proposal of evaluation method for image segmentation.," (Ranchi, INDIA), NCCS, 2018, 2018. [link].

[2] **S. Sharma**, A. Negi, G. J. S, V. V, S. Singh, D. S. Sathia Raj, and S. Ganesan, "Eye state detection for use in advanced driver assistance systems.," (Chennai, INDIA), ICRTAC-CPS, 2018. [link].

PROJECTS

VQA | Visual Question Answering [code] [docs]
- The project aims at a multi-layered understanding of pictures and can answer questions in natural language about the objects in it.
- A knowledge graph is generated out of entities, their attributes and their relationships. It is then used to create a reading comprehension which uses Microsoft's R-NET to answer questions based on it.

ANTON | database management tool in Flask [code] [docs]
- Light weight web app to visualize and manipulate data on local or remote postgres database. Also provides a REST API for developers who want to use database without writing SQL query.
- Supports migrating databases from one server to another.

Other projects are available on my GitHub.

VOLUNTEERING

AI TRAINER | VIThink, Vellore Institute of Technology
Sep 2018 -- Ongoing | Chennai, India
- Training undergraduates in Machine Learning.
- Hold workshops and sessions to facilitate learning.

TEACHING ASSISTANT | Vellore Institute of Technology
Aug 2018 -- Dec 2018 | Chennai, India
- Supervised and assisted students in problem solving.
- Assisted the professor with the course and held sessions for teaching.
- Conducted programming classes in Python and C.