

Kartheek Surampudi

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PROFESSIONAL SUMMARY

Happy coder and open source contributor with a bachelor's degree in IT coming up in 2021. In-depth knowledge and use of software technologies to include C++, Python. Extreme attention to detail and ability to multitask within fast-paced environments.

EMPLOYMENT HISTORY

Jun. 2019 – Oct. 2019
Milpitas, California

Machine Learning Engineer (Remote), AITS

- Worked on deepC- a framework for deploying neural nets for edge devices.
- Implemented ONNX operators
- C++ and Python Integration with Swig

Jun. 2019 – Aug. 2019
Hyderabad, Telangana

Python Developer (Remote), cppsecrets.com

- Developed a Disk Health Monitoring system based on SMARTCTL which can scale up to thousands of systems in a network.
- Wrote articles on python and machine learning.

May. 2019 – Jun. 2019
Hyderabad, Telangana

Software Developer Intern, DRDL

- Worked on and maintained the production side of a huge database of defense employees.
 - Fixed issues across multiple packages in both frontend(JSP) and backend(Java).
 - Traced out rare and problematic bugs.
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SKILLS

- **Programming Languages:** Python, C++, Java
 - **Machine Learning:** ONNX, Tensorflow, PyTorch, OpenCV, Pandas
 - **Databases:** SQL, MongoDB, PostgreSQL, Oracle SQL
 - **Web Technologies:** Django, Node.js, HTML, CSS, RESTful APIs
 - **Deployment:** Docker, Kubernetes, Microsoft Azure
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PROJECTS

Presence (Facial Recognition based attendance system)

Team: 3

Role: Machine Learning Engineer/Backend Developer

Technologies Used: Python, Django, OpenCV, Azure, Android

Description:

Presence is a facial recognition-based attendance tracker meant for schools and colleges. A teacher has to take a picture of the class instead of calling each student's name. The [demo](#) can provide further details.

Disk Health Monitoring System based on SMARTCTL

Team: 1

Role: Python Developer

Technologies Used: Python, Smartmon Tools

Description:

This project is an "all-python" solution to monitor the disk behavior of a set of computers(all if required) in a network. This application was built on top of the smartctl utility by smartmontools. The [demo](#) can provide further details.

CERTIFICATIONS

- **Structuring Machine Learning Projects** by deeplearning.ai
- **Advanced Python** by LinkedIn
- **Intel® Edge AI Scholarship Foundation Course Nanodegree Program** by Udacity
- **Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization** by deeplearning.ai
- **Applied AI with DeepLearning** by IBM
- **Neural Networks and Deep Learning** by deeplearning.ai
- **VSD - Machine Intelligence in EDA/CAD** by Udemy

EDUCATION

Present

Bachelor of Technology: Information Technology

- Swami Vivekananda Institute of Technology - Hyderabad, Telangana

ACCOMPLISHMENTS

- Won first place out of 20 teams in a 24-hour hackathon at IEEE Fest by developing a shopping cart website that sorts products based on reviews (NLP).
- Selected as one of 50 teams statewide for a project expo for innovative ideas to solve real-world problems.

WEBSITES AND OTHER LINKS

- Github - <https://github.com/k4rth33k>
- LinkedIn - <https://www.linkedin.com/in/kartheek-surampudi-0a535a163/>
- <https://k4rth33k.github.io/>
- <http://kaprim.in>