Christ Prateek Prasanna Xaxa
Associate Software Engineer

Looking for technically challenging opportunities. A learning enthusiast, always keen on accepting new challenges and solving innovative problems. I enjoy participating in various activities which enhance my technical and management skills.

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📄 stackoverflow.com/users/6484802/cppxaxa

WORK EXPERIENCE

Associate Software Engineer
KLA Corp.

07/2018 – Present   *Chennai, India*

Wafer inspection and process control tools innovator in semi-conductor industry

Achievements/Tasks

- Modernization of an essential legacy data-transfer service to enable results transfer over network with efficient execution, crash-resume support by persisting transfer states and live status
- Added software flow to let user define new geometrical features

Internship
KLA Corp.

12/2017 – 06/2018   *Chennai, India*

Wafer inspection and process control tools innovator in semi-conductor industry

Achievements/Tasks

- Enabled analytics and visualization on key data defining wafer inspection process (6+ months effort)
- Reduced manual exploratory task to automated solution on process defining data

Summer Internship
KLA Corp.

05/2017 – 06/2017   *Chennai, India*

Wafer inspection and process control tools innovator in semi-conductor industry

Achievements/Tasks

- Provided initial solution for comparing process data/attributes by crunching XML data

EDUCATION

Master of Computer Applications
National Institute of Technology, Tiruchirappalli

2015 – 2018   *GPA 9.05/10*

Bachelor of Computer Applications
Kalinga Institute of Industrial Technology, Bhubaneswar

2012 – 2015   *GPA 9.10/10*

SKILLS

Python · C# · Data Structures · Algorithms · C++ · SQL · NoSQL · Design Patterns · System Design · Image Processing · IBM RTC

PERSONAL PROJECTS

ICAN: Chatbot, Security Camera Surveillance
- Link: https://github.com/cppxaxa/ICAN.SIC
- Technologies: C#, OWIN, SignalR, SIML, Python, Tensorflow
- Plugin architecture, Pub-Sub Model

Unsupervised Face Clustering Pipeline
- Article: https://www.geeksforgeeks.org/ml-unsupervised-face-clustering-pipeline
- Selected for Technical Scripter'18, GeeksForGeeks
- Technologies: Python, PyPiper, OpenCV, dlib, DBSCAN
- Multithreaded pipeline execution architecture

ACHIEVEMENTS

Won 1st prize, AI Hackathon, Devengers 1.0, Skillenza
12-hrs on-site hackathon, Microsoft Office, Bengaluru, 2019

Won 1st prize, AI Hackathon, iLink Systems
24-hrs on-site hackathon, iLink System office, Chennai, 2019

Top 15 article at GeeksforGeeks, Technical Scripter
Online technical writing contest, 2018

Acquired title Highest Impact in KLA Internal Hackathon
On-site hackathon, KLA Office, Chennai, 2018

Ranked in Top 100 in Microsoft AI Challenge, NLP
Online, 2018

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

AREAS OF INTEREST

Software design and architecture

Digital image processing · ML Techniques