

Suraj Chafle

Graduate Student at Illinois Institute of Technology, Chicago

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🌐 www.linkedin.com/in/surajchafle

EDUCATION

MS in Computer Science

Illinois Institute of Technology, Chicago

📅 Sep 2014 - 2016

📍 Chicago

GPA

3.5 / 4.00

BTech in Electronics & Telecom.

College of Engineering, Pune

📅 Aug 2008 - June 2012

📍 Pune

GPA

7.70 / 10.0

WORK EXPERIENCE

C Programmer - Smart Grid Research

Illinois Institute Of Technology

Automated C code generation for Power System models in Python.
Optimized the generated code for performance.

Software Design Engineer

Imagination Technologies

Developed a soap based test framework with django and mysel to test video drivers, developed a C++ test framework to test Video driver APIs

Software Engineer

Robert Bosch

Automated customized building of Navigation SDKs with CMake and Shell;
testing 3D Graphics based navigation display using Perl and Shell

RESEARCH EXPERIENCE

Document search in distributed systems

Illinois Institute of Technology

Worked with Prof. Ioan Raicu to develop a tree topology based framework for document search. Publication Accepted at SC'16.

Multiprogramming with Nautilus + Dune

Illinois Institute of Technology

Working with Prof. Kyle Hale to develop a system allowing processes access to pieces of hardware by using hardware virtualization features

TOP SKILLS

</> Python, C++, C, Shell, MySQL, AWS, Git, CMake, Spark, Android

FAVORITE PROJECTS

Distributed Job Scheduling

📅 Apr 2016 - Apr 2016 📍 Chicago

- Developed a job scheduler in Python using AWS's SQS and DynamoDB mimicking Animoto video creator
- Input was accepted as list of image urls and created video was stored on S3.

Extraction of Road & Lane boundary from Sat-Imagery

📅 Jan 2016 - Feb 2016 📍 Chicago

Developed a tool using OpenCV in python which returns poly-lines for road and lane boundaries

LetMeSpeak Mobile App

📅 Jan 2016 - May 2016 📍 Chicago

Developed a mobile app to help user read out news, emails, sms, calendar events etc.

Travelogue- Django App

- Designed the database, front-end, APIs for future development and user-interface.
- Hosted here: <http://goo.gl/nXL9p3>

ACCOMPLISHMENTS



NGA's Expedition Hackathon



AT&T Smart City Hackathon



Part of team SWAYAM

CoEP's student satellite launched by ISRO