INTERNSHIP AND SURVEY

Edelweiss Financial Services Limited   *May 2018 - July 2018*
- TCA report on Django server based UI
- Added more to TCA report for prediction.
- Helped traders to see and download their TCA report file of their transactions for their clients

Leh Solar Power Plant Survey   *June 2019*
- Examine the Leh Ladakh conditions for solar growth for further scope in solar setup in Leh
- Survey of 4 solar plants of 12kWp units
- Percentage degradation data

PROJECTS

Degradation rate of solar power plants | Dual Degree Project   *July 2019 - Present*
To create models for solar cells and find the dependency of parameters on the degradation rate

Work done till date:
- Implemented single diode model for solar cell with five parameters
- Used Bokeh server to plot the I-V curve interactively with varying parameters sliders.

Solar module mounting orientation and axis tracking effect   *March 2019– April 2019*
- Examine the best orientation of solar panel for maximum power output.

Amazing Project 3   *Jan 2015 – May 2015*
- Assist in recruiting potential and admitted students to the UIUC computer science program
- Attend information sessions, admitted student Q&A's, and student lunches to generate interest in the Illinois Computer Science department

INTERNSHIPS

Tata Consultancy Servies Limited   **Kolkata, India**
Technology Analyst   *June 2016 - May 2017*
- Designed and built the first version of infrastructure code base which built the entire environment of SDLC at runtime. This reduced the development teams' monthly expenses on AWS servers by 100 thousand dollars.
- Designed and a centralized build strategy for all the software components of our client. The monolithic design of our build module brought new business to TCS

Technology Analyst   **Edinburgh, Scotland**
- Built a continuous delivery model for my client's Development Team.   *July 2015 – June 2016*
  The incremental development method reduced three-man days of development time on a 14-day sprint.
- Created Production like testing environments in AWS Cloud for sprint teams to enhance test-driven development. The new process promoted quality development culture. The number of defects were reduced by one-fifth. The time saved in fixing bugs increased the development time

by 15

Systems Engineer **Bangalore, India**

○ Developed a comprehensive shell script that remotely monitored *March 2012 – July 2015* the health of all the production services. The script visualized the current state of the different production services in a dashboard. The transparent report dashboard decreased production outage to one two incidents in a financial quarter.
○ Encapsulated the build scripts in a Jenkins automation server. The user-friendly Jenkins GUI empowered the developers to trigger new builds themselves. The DevOps effort saved was 2 man-days every week.

AREAS OF INTEREST

○ Solar System Design, Reliability of devices, Data Structure and Algorithm

Extra curricular Activities

○ Gold, GC Badminton
○ Flute class
○ German Class
○ Black belt 1st Dan Shotokan Karate
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