SAURABH DUBEY

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EXPERIENCE

May 2016 – July 2016

Interim Engineering Intern, Qualcomm

Bangalore

Driver gaze estimation system

[Github Repository](#)

- Worked on a SVM and image processing based project to estimate gaze direction of a vehicle driver following research paper "Driver Gaze Region Estimation without Use of Eye Movement", IEEE Computer Society, 1541-1672/16 © 2016 IEEE.
- Used C++ libraries like Dlib, OpenCV and libsvm to implement the system.
- Project was selected as the **best among the 15 entries** received for the inter intern contest, IdeaQuest.

Wincrash

- Worked on a Django based web application to automate windows driver testing.
- Added several features like commenting and timeline of events to enhance usability.

EDUCATION

May, 2013 – Current

B,Tech in Electrical and Electronics Engineering

National Institute of Technology, Tiruchirapalli

CGPA: 8.04 / 10

LANGUAGES AND TECHNOLOGIES

C, C++, Python, HTML/CSS, Javascript, Django, Git

ACHIEVEMENTS

- **Codechef, Snackdown '15**
  Team Name: this_is_a_team
  Team rank: 118
- **Morgan Stanley Codeathon '16**
  Ranked 271 / 3933
- **Hackerrank Profile** ([saurabhd336](#))
  - Rated : 1965
  - Week of code 23: 720/10489
  - Week of code 22: 1008/12347
- **Hackerearth Profile** ([saurabhd336](#))
  - Rated : 1538
  - Code Mutants: Rank 2
  - Coder World: Rank 6

EXTRA CURRICULAR

- Member, **Spider RnD club**, NIT Trichy.
- Member, social responsibility wing of **Festember**, the cultural fest of NIT Trichy.
- Passionate football player. Winner of Inter departmental football tournament of NIT Trichy, 2014.

PROJECTS

1) Keyword Grouping (Optmyzr)

- Worked on a project to group similar queries under suitable tags.
- Used C++ STL and bitmasking algorithm.
- Project was then implemented in Django to provide ad words suggestions to users based on an input of search queries.

2) College Resume builder

[Github repository](#)

- A web application written in Django that enables user to fill simple form and generate their resume in required college format
- Used npm package docxtemplater to generate the resume.
- The resumes were also saved on the server and allowed users to edit them later.
- The application was much appreciated by students and college administration alike.

3) Short term load forecasting using neural networks

- Trained an artificial neural network to predict the hourly load demands of a zone using supervised learning algorithm (Backpropagation).
- Used C++ library (OpenNN) to implement the network.