SAURABH DUBEY

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EXPERIENCE

July 2017 – Present

Associate Engineer, Qualcomm

Bangalore

Display team

- Working with the display SW team developing display HALs for Qualcomm powered android phones.
- Have added features and test framework support for display HALs and user mode side of android display.

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.
- 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 features like commenting and timeline of events to enhance usability.

EDUCATION

May, 2013 – May, 2017

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
- **CodeAgon '17**
  Ranked 215 / 6622
- **Hackerrank Profile** (saurabhd336)
  - Rated : 2144
  - Week of code 28 Rank: 385/10432
  - Week of code 27 Rank: 246/7941
- **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) Hands Free Dictionary

- Developed a computer vision based tool that enables user to find meanings of unfamiliar words while reading a document just by pointing at it.
- Used OpenCV, Tesseract and other computer vision libraries.
- Runners up position out of 30+ projects in the Sonata final year project contest 2017, NIT Trichy.

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.