

# AKHIL SUDHAKARAN



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[akhilsudh.github.io](https://akhilsudh.github.io)

## Skills / Highlights

- C / C++ / CUDA C Basics
- Java
- Python
- Octave
- HTML 5 / CSS 3 / Javascript
- JQuery
- NodeJS
- ReactJS
- VCS (git)
- Docker
- Linux / Android
- Photoshop

## Education

- Bachelor of Computer Science and Engineering** **2018**  
Bangalore  
Karnataka  
Sir M. Visvesvaraya Institute of Technology  
Scored **80.59%**  
Electives:  
→ Pattern Recognition → AI → Java & J2EE  
→ Software Testing → Network security
- CBSE 12<sup>th</sup> Grade** **2014**  
Bangalore  
Karnataka  
CMR National Public School  
Scored **93.20%**
- ICSE 10<sup>th</sup> Grade** **2012**  
Bangalore  
Karnataka  
St. Johns High School  
Scored **90.57%**

## Experience

- MICRO FOCUS** R&D Engineer **2018 – ongoing**  
Bangalore  
Karnataka
- notNULL** Software and Web Developer **2015 - 2016**  
Bangalore  
Karnataka
  - Developed their web-app using materialize front-end and meteor stack back-end.
  - Developed REST APIs in NodeJS for their services.
- mozilla India** Firefox Student Ambassador **2015 - 2016**  
Bangalore  
Karnataka
  - Conducted workshops on technologies such as GIT and other open source technologies offered.
  - Was responsible for promoting the open source culture in the university campus.

## Projects

- Easy Bluetooth** - [<https://akhilsudh.github.io/EasyBluetooth/>]  
Platform: Android  
Developed an Android app that helps in smartly connecting to A2DP Bluetooth devices without interacting with the phone.
- CRYPTText** - [<https://akhilsudh.github.io/CRYPTText/>]  
Platform: Multiplatform Web-App  
A text and picture encryption app based on AES encryption algorithm.
- OpenGL Wrap-Around-Minesweeper** - [<https://akhilsudh.github.io/MineSweeper-CG-Project/>]  
Platform: Linux | Windows | Mac OSX  
A simple game of minesweepers with a small twist. Developed using OpenGL library for the Computer Graphics Laboratory
- JavaScript Based Games**  
Platform: Multiplatform Through JS  
Made several JS based games:
  - Ball-Escape** - [<https://akhilsudh.github.io/BallEscape/>]  
A Flappy bird clone written entirely in javascript. This uses features of HTML5 and drawing capabilities of p5.js
  - Tic-Tac-Toe Minimal** - [<https://github.com/Akhilsudh/Tic-Tac-Toe-Minimal/>]  
A nodeJS based minimalistic 1v1 multiplayer TicTacToe game using express.js and socket.io for managing connections
  - Common-Canvas** - [<https://github.com/Akhilsudh/Common-Canvas/>]  
A fun nodeJS based website that creates a common canvas for different people to draw on, when connected together.
- Twitr-Traffic** - [<https://github.com/TwitrTraffic/>]  
Platform: Multiplatform Web-App  
An app that gives real-time traffic conditions on routes/roads specified by the user by scanning Twitter tweets and also show statistical data.
- Yuva Kalanjali App** - [<https://github.com/mayankmetha/VTUFEST2K17/>]  
Platform: Android  
Developed the official app for the Yuva Kalanjali 2017 inter college fest.

[Visit my [GitHub page](#) for more]

## Achievements & Publications

- Was selected from applicants all over the country to the **IITB Summer School on Theoretical Computer Science**.
- Received **First Class with Distinction (FCD)** in all 8 semesters of Visvesvaraya Technological University.
- Received the **Tata Trusts & Google India Android-Developer-Nanodegree Scholarship** awarded to a 1000 applicants out of several thousand participants all over the country.
- One among the **Best Five DBMS Lab Projects** in Sir M. Visvesvaraya Institute of Technology
- Secured **100% marks** in Engineering Mathematics IV
- One among the **top 10** of St. John's High School Students in the ICSE 2012
- Published a paper "A Hybrid Approach to Social Network User Feed Generation" in the IJCA.
- Published a paper "A Novel Double Backtracking Approach to the N-Queens Problem in Three Dimensions" in the IJCA.

## Extracurricular Activities & Hobbies

- Participated in several **Hackathons** (HackIndia 2015, Myntra Hack 2016, AngelHack 2016 etc). Developed Android Apps, Aureader, Myntra-Shopping-Simplified and Twittraffic.
- Chief Designer** of the 2017 issue of the **Computer Science Department Magazine** titled "Ganak-Patra"
- Chief Designer** of the 2018 issue of the **College Magazine** titled "Brindavana"
- I have a passion for **building PCs**.
- I am a **passionate Video Gamer**. I play competitive multiplayer video games like DOTA-2, CS-GO, Rocket-League and other casual single player games as well.