

# AKHIL SUDHAKARAN

☎ : +91 988-639-5402 ✉ : [akhil.sudh@gmail.com](mailto:akhil.sudh@gmail.com)



[github/AkhilSudh](https://github.com/AkhilSudh)



[Linkedin/in/akhilsudhakaranbigboy](https://www.linkedin.com/in/akhilsudhakaranbigboy)



[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**  
*Sir M. Visvesvaraya Institute of Technology*  
Scored **80.50% (Average of 7 Semesters)**  
Electives
  - Pattern Recognition
  - Artificial Intelligence
  - Java & J2EE**On Going**  
Bangalore, Karnataka
- **CBSE 12<sup>th</sup> Std**  
*CMR National Public School*  
Scored **93.20%**  
**2012 - 2014**  
Bangalore, Karnataka
- **ICSE 10<sup>th</sup> Std**  
*St. Johns High School*  
Scored **90.57%**  
**2000 - 2012**  
Bangalore, Karnataka

## Projects

- **Easy Bluetooth** - [\[https://akhilsudh.github.io/EasyBluetooth/\]](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** - [\[https://akhilsudh.github.io/CRYPTText/\]](https://akhilsudh.github.io/CRYPTText/)  
*Platform: Multiplatform Web-App*  
A text and picture encryption app based on AES encryption algorithm.
- **Twitr-Traffic** - [\[https://github.com/TwitrTraffic/\]](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.
- **JavaScript Based Games**  
*Platform: Multiplatform Through JS*  
Made several JS based games:
  - **Ball-Escape** - [\[https://akhilsudh.github.io/BallEscape/\]](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** - [\[https://github.com/Akhilsudh/Tic-Tac-Toe-Minimal/\]](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** - [\[https://github.com/Akhilsudh/Common-Canvas/\]](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.
- **OpenGL Wrap-Around-Minesweeper** - [\[https://akhilsudh.github.io/MineSweeper-CG-Project/\]](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
- **Yuva Kalanjali App** - [\[https://github.com/mayankmetha/VTUFEST2K17/\]](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]

## Experience

- **Software and Web Developer at notNULL**  
I had developed their web-app using materialize and bootstrap front-end and meteor stack back-end. I had also developed REST APIs in NodeJS for their services.  
**2015 - 2016**  
*Bangalore, Karnataka*
- **Firefox Student Ambassador**  
I had conducted workshops on technologies such as GIT and other open source technologies offered by Mozilla. I was responsible for promoting the open source culture in the campus.  
**2015 - 2016**  
*Bangalore, Karnataka*

## Publications & Achievements

- Published a paper "A Novel Double Backtracking Approach to the N-Queens Problem in Three Dimensions" in the IJCA.
- Received the Tata Trusts & Google India Android-Developer-Nanodegree Scholarship to a 1000 applicants out of several thousand participants.
- One among the Best Five DBMS Lab Projects in Sir M. Visvesvaraya Institute of Technology
- Secured 100% marks in Engineering Mathematics IV
- Top 10 of St. John's High School Students in the ICSE 2012

## 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.