AKHIL SUDHAKARAN

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github/AkhilSudh
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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**   **On Going**
  Sir M. Visvesvaraya Institute of Technology   Bangalore, Karnataka
  Scored **80.50% (Average of 7 Semesters)**
  Electives
  - ➢ **Pattern Recognition**
  - ➢ **Artificial Intelligence**
  - ➢ **Java & J2EE**
- **CBSE 12th Std**   **On Going**
  CMR National Public School   Bangalore, Karnataka
  Scored **93.20%**
- **Bachelor of Computer Science and Engineering**   **On Going**
  St. Johns High School   Bangalore, Karnataka
  Scored **90.57%**

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.
- **CRYPText -** [https://akhilsudh.github.io/CRYPText/]
  Platform: Multiplatform Web-App
  A text and picture encryption app based on AES encryption algorithm.
- **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.
- **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.
- **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
- **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]

Experience

Software and Web Developer at notNULL   **2015 - 2016**
I had developed their web-app using materialize and bootstrap front-end and meteor stack back-   *Bangalore, Karnataka*
end. I had also developed REST APIs in NodeJS for their services.

Firefox Student Ambassador   **2015 - 2016**
I had conducted workshops on technologies such as GIT and other open source technologies   *Bangalore, Karnataka*
offered by Mozilla. I was responsible for promoting the open source culture in the campus.

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.