

AKHIL SUDHAKARAN

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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**
Sir M. Visvesvaraya Institute of Technology
Scored **80.50% (Average of 7 Semesters)**
Electives:
→ Pattern Recognition → AI → Software Testing
→ Java & J2EE → Network security
- CBSE 12th Grade**
CMR National Public School
Scored **93.20%**
- ICSE 10th Grade**
St. Johns High School
Scored **90.57%**

On Going
Bangalore
Karnataka

2012 - 2014
Bangalore
Karnataka

2000 - 2012
Bangalore
Karnataka

Online Education

- Machine Learning**
Coursera - *Stanford University* **April 2018**
- Modern React with Redux**
Udemy **May 2018**
- Android Developer Nanodegree**
Udacity - *Google* **January 2017**
- Git Started with Github**
Udemy **June 2017**

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, Mynta Hack 2016, AngelHack 2016 etc). Developed Android Apps, Aureader, Mynta-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.