

# NIKHIL ANAND

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## OBJECTIVE

Driven, goal-oriented team player eager to apply computer science and engineering solutions to solve modern day problems and to launch a successful career with a progressive company that rewards initiative and superior performance with long -term opportunities for professional growth



## EDUCATION

**Bachelor of Technology in Computer Science and Engineering with spec. in Bioinformatics** | VIT University

2017 – PRESENT

Anticipated 2021. 8.89 GPA as of December 2019

**Class 12th** | Loyola School, Jamshedpur

2014 – 2016

94% in ISC with 100 in Computers. Won Best Student in Computer Science.

**Class 10th** | Loyola School, Jamshedpur

2003 – 2014

93% in ICSE with 99 in Computers. Took part in extra-curricular as well as co-curricular activities.



## EXPERIENCE

**Software Developer Intern** | Wonderlend Hubs

May 2019 – June 2019

Worked on OCR on documents and extracting textual data using AWS Textract



## TECHNICAL SKILLS

- Java
- Java FX
- HTML
- CSS
- SQLite
- JavaScript
- PHP
- NodeJS



## ACTIVITIES

- **Devspace 2018** – Conference on IBM Watson, Alexa Skills, Need for cloud support seminar by Digital Ocean and Web Security Seminar by Mozilla.
- **Google Hash Code 2018** – Participant
- **Director of Astronomy Club in School** – Headed the Astronomy Club in School
- **Maths Club, Board Member** – Was a board member in the school's Maths Club



## PROJECTS

### 1. Online Retail Store

It incorporates static web pages in the form of HTML5 and CSS3 and backend support as Java. Dynamic Web Pages were made as JSP. The central database was SQLite.

### 2. Linux based OS with all the basic hardware support, without GUI

The linker files and kernel files were written in C++. Made an entire keymap including Shift and Caps Lock functionality, although backspace wasn't implemented. Had a Mouse integration too. Converted the entire OS as an iso file which worked without any errors in Oracle Virtual Box

### 3. Researched on 1D Bin Packing using Firefly Algorithms.

It was written in Java. Helps to optimize the assortment of items into as minimum number of bins as possible. Uses the Firefly Algorithm to optimize the number of bins

### 4. Image Steganography in Java

A message passing system that uses steganography, i.e. embedding text inside images.

### 5. Movie Recommendation Website

A website to show a list of movies based on user's preferences. The website was made using HTML5, CSS3, JavaScript and Bootstrap as the frontend, NodeJS server running a MongoDB database in the backend. Used statistical scoring system instead of any particular ML algorithm.

### 6. IDEA Algorithm Parallelization

Parallelization of the International Data Encryption Algorithm. Coded in Java (JDK 12). Takes in a message with a random 128 bit key, encrypts the message. Performs key reversal and decryption of the message. Used ExecutorService to parallelize the algorithm with a Thread Pool.