

# Kautsya Kanu

kautsiitd@gmail.com | +91-7503758135 | kautsya.in

## EDUCATION

### I.I.T. DELHI

BTECH IN PROD. AND INDUSTRIAL  
Jul 2016 | GPA: 7.84/10

### MINOR IN COMPUTER SCIENCE

Jul 2016 | GPA: 8.18/10

### 12<sup>TH</sup> CBSE

May 2012 | Percentage: 89.4

### 10<sup>TH</sup> U.P. BOARD

May 2010 | Percentage: 87.0

## LINKS

Github:// [kautsiitd](#)

LinkedIn:// [kautsya-kanu-a0328293](#)

CodeChef:// [kauts\\_kanu](#)

CodeChefDiscuss:// [kauts\\_kanu](#)

StackOverflow:// [kautsya-kanu](#)

## SKILLS

### LANGUAGES

|       |       |                                 |       |
|-------|-------|---------------------------------|-------|
| Swift | ★★★★  | Python                          | ★★★★☆ |
| Obj-C | ★★★★☆ | L <sup>A</sup> T <sub>E</sub> X | ★★★★☆ |
| C++   | ★★☆☆  |                                 |       |

### OTHER:

Java • SQL • Shell • VBA

JSON • XML • HTML • CSS • JS

### TOOLS

Git • SourceCode • Xcode • Django

### OS

MacOS • Ubuntu • Linux • Windows

## TEST SCORES

### IIT JEE

Jul 2012 | 1329(GE)/5 million+

### AIEEE

Jul 2012 | 99.5 percentile

### UP BOARD MERIT

May 2010 | District Topper

### HONOR CERTIFICATE

May 2010 | Awarded by Director of Science & Technology Board, UP for securing 100% marks in Maths

## COURSES

Artificial Intelligence

Natural Language Processing

Machine Learning

Analysis and Design of Algorithms

Computer Architecture

Database Management System

## EXPERIENCE

### OYO | IOS DEVELOPER | [LINK](#)

Dec 2017 - Present | Gurgaon, India

- Responsible for Code review of 3+ devs; Interviewed many candidates for iOS team
- Managed stake holder across 4+ teams to deliver Wizard, Search and many projects
- Experienced Obj-C & moved to Swift while exploring VIPER from MVC
- Dug into Core Graphics, IBDesignable, IBInspectable & lower-level CG APIs
- Suggested & Implemented UX improvements increasing notification subscriptions

#3 in Travel

91.2K+ Ratings: 4.7/5

### HEADOUT | IOS DEVELOPER | [LINK](#)

Jun 2016 - April 2017 | Bangalore, India

1K+ Ratings: 4.7/5

- Managed iOS Development throughout while Featured on App Store in Travel
- Explored Swift from scratch along with MVC, Singleton, Decorator Design Patterns
- Dived into Multi-Threading, ARC, Developer Tools, SpriteKit & Core Animations
- Migrated to MVVM; Familiarised with AB-Experiments & Google Analytics
- Integrated Peek & Pop, Quick Actions, Deep Linking, Spotlight Search & others
- Pondered XIBs, Storyboards for autoLayout; Explored Google location APIs
- Introduced SwiftLint enforcing Swift conventions, Markups & Image Parallax

### ZIMPLY | BACKEND DEVELOPER INTERN

May 2015 - July 2015 | Delhi, India

- Created Image Tagging, Chat-Box and modelled Database in Django
- Developed Software with GUI for offline Image operations using Tkinter & PIL
- Worked on Image Compression algorithms, modified on EC2 server using Cron
- Added an Extension for Image Extraction from Excel using VBA

## COMPETITIVE PROGRAMMING

Sep 2017

Ranked 7<sup>th</sup>/9500+

Long Contest by CodeChef

Sep 2017

Two times Top 3/9500+

Optimisation problem by CodeChef

Aug 2017

Among Top 3/8000+

Contributor on CodeChef Discuss

Nov 2014

Two times Winner

IIT Delhi Coding Club organized by ACES-ACM sponsored by HackerEarth

CodeChef: Orange Rated (Top 0.2%) CodeForces: BLUE(Expert)

## PROJECTS

### UNSUPERVISED DECOMPOSITION OF MULTI AUTHOR DOCUMENT | [LINK](#)

Mar-May 2016 | Prof Mausam, IIT Delhi, Affilate Faculty - University of Washington

- Completed Research Paper on Exploiting the Difference of Syntactic Writing Styles
- Introduced PQ-Grams, POS tagging & TFIDF based features on unlexicalised PCFG
- Researched independent robust approach with improved accuracy over baseline

### ARTIFICIAL INTELLIGENT VIRTUAL GAME PLAYER WITH GUI | [LINK](#)

- Achieved 5-ply using MiniMax & Alpha-Beta pruning with Heuristics in Quoridor
- Conceptualized BOT with 3-ply & Designed GUI for n\*n TIC TAC TOE & 2048 game

### UNSUPERVISED AND SUPERVISED DIGIT RECOGNITION

- Compared kMeans & GMM learnt using EM in PCA for Unsupervised Clustering
- Learnt NN in PCA space; Tried CNN & Auto Encoders for Supervised Clustering

### SENTIMENT MINING AND DOMAIN ADAPTATION | [LINK](#)

- Extracted feature words using Lemmatisation, Stemming, Normalisation, TFIDF
- Explored SVMs & Logistic Regression with L1 regularizer, n-fold Cross Validation

### DESIGNED A PROCESSOR IN LOGISIM FOR INTERPRETING RISC | [LINK](#)