

# Kautsya Kanu

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## 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

### R.K.V.M. GWALIOR

12<sup>TH</sup> CBSE

May 2012 | Percentage: 89.4

### D.D.S.V.M. BUDAUN

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](#)

## COURSES

Artificial Intelligence  
Natural Language Processing  
Machine Learning  
Analysis and Design of Algorithms  
Computer Architecture  
Database Management System

## SKILLS

### LANGUAGES

Over 5000 lines:

Swift • Python •  $\LaTeX$

Over 1000 lines:

Obj-C • C++ • mysql • Shell

Familiar:

JAVA • HTML • CSS • JS

### FRAMEWORKS & OS

Xcode, Django, MacOS, Ubuntu, Linux

## 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

## 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
- 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

- Sole developer of iOS App which **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 & Apple based features

### 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**

## PROJECTS

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

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

- Captured distinct writing styles using Stanford POS Tagger & Parser
- Featured over POS tagging, PQ & N-Grams; Elicited Segments using GMM
- Trained Multinomial Naive Bayes classifier over Vital Segments using sk-learn

### NAMED ENTITY RECOGNITION FOR REAL ESTATE | [LINK](#)

- Featured over Tokenised Real Estate Data, Gazetteers, POS Tagging & RegEx
- Trained CRF Model using MALLET; Explored Word Embeddings of Word2Vec

### 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](#)

## COMPETITIVE PROGRAMMING

Sep 2017 7<sup>th</sup>/9500+ Long Contest by CodeChef

Sep 2017 Top 3/9500+ Two times in Optimisation problem by CodeChef

Aug 2017 Top 3/8000+ Contributor on CodeChef Discuss

Nov 2014 Winner Two times in IIT Delhi Coding Club organized by ACES-ACM sponsored by HackerEarth

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