# 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

**12TH CBSE**
May 2012 | Percentage: 89.4

**10TH 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  ★★★☆         LaTeX   ★★★☆
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                    #3 in Travel
Dec 2017 - Present | Gurgaon, India        91.2K+ Ratings: 4.7/5
- Responsible for Code review of **4** 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

**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, Soptlight Search & others
- Considered **XIBs, Storyboards** for autoLayout; Explored Google location APIs
- Introduced **SwiftLint** enforcing Swift conventions & Markups for Documentation

**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 | 7th/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)

## PROJECTS

**UNSUPERVISED DECOMPOSITION OF MULTI AUTHOR DOCUMENT** | LINK
Mar-May 2016 | Prof Mausam, IIT Delhi, Afilate 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

**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

**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

**DESIGNED A PROCESSOR IN LOGISIM FOR INTERPRETING RISC** | LINK