



## Ketan Verma

Computer Science Engineer

23 • New Delhi, India

I am a polyglot programmer who likes to create symphonies with algo-rhythms! I am seeking a challenging career where I can capitalise my technical skills to build amazing technologies for the future.

## WORK EXPERIENCE

### LimeTray

Software Engineer • Feb 2018 – Present

- Started as a full-stack developer, now also handling Android apps and leading the Analytics vertical.
- Reduced receipt rendering times by up to 95% by implementing a canvas-based rendering engine; thus making the web-app extremely responsive.
- Built a cross-platform print server using Go that helped expand the support for the web-based POS system to almost all operating systems, including mobile.
- Solved issues around the scaling of CouchDB by designing sophisticated load-testing frameworks to identify the root cause, and then, fixing them.
- Built a high-throughput service that helps distributed apps coordinate; allowing multiple pods of a service to work on different jobs without conflicts.
- Actively involved in hiring resources for the tech-team.
- Coordinator of tech-sessions to promote knowledge sharing across all teams.

### Beatbook Services Private Limited

Co-Founder • Sep 2016 – Jan 2018

- Single-handedly built the entire tech from ground-up.
- Developed apps for students and mentors; used by thousands to learn their favourite musical instrument.
- Developed the platform including mobile apps, an adaptive streaming service (MPEG-Dash) with offline support, encryption of media, video chat for students & mentors with session recording, payment gateway integration and a lot more.

### Ernst & Young, LLP

Risk Analyst • Jun 2017 – Nov 2017

- Automated data ingestion, sanitization and analysis; eliminating any human-errors and saving many man-hours for the organization.

### ZipZap Deals Private Limited

Software Engineering Intern • May 2016 – Jul 2016

- Re-architected the platform and created Android apps from scratch to adapt to the changing requirements.
- Created dashboards to remove the manual effort of vendor sign-up, fee collection and report generation.
- Deployed a self-hosted Parse server on an EC2 instance and migrated the old data to a newer format.

## EDUCATION

### B.Tech. in Computer Science & Engineering

Amity University, Noida

2013-2017 • CGPA: 8.82 • GPA: 3.53

### AISSE

Bhatnagar International School, New Delhi

2013 • CBSE Percentage: 88.2%

### Languages

English, Hindi and Spanish

## AWARDS AND ACHIEVEMENTS

### First Position in Hackathon (out of 10 teams)

LimeTray • 2018

### Dell EMC Technopreneurial Excellence Corporate Award – Best All Rounder Student in IT

Amity University • 2017

### Excellence in Knowledge Creation Award & Best Summer Training Award

Amity University • 2017

### Scholarship Holder for 4 Consecutive Years

Amity University • 2013-2017

## PROJECTS

### AmizOwned

Used by more than 10,000 students across all Amity University campuses worldwide.

### SightControl

Combines the power of ML and IoT to show contextual information about smart devices around us over an augmented overlay on our phone screen.

### Prope and TouchLock

Extends Google's "Physical Web Project" to create a universal protocol for discovering IoT devices.

## TECHNOLOGIES

### Programming Languages

C, C++, Golang, Java, JavaScript, Node.js, Python, PHP, Swift, Shell

### Databases and Persistence

MySQL, Postgres, MongoDB, CouchDB, Cassandra, Redis, Memcached, ActiveMQ, Kafka

### Frontend Development

Android & iOS App Development, React, Vue.js, PWA, HTML5, CSS3

### DevOps

AWS, GCP, Kubernetes, Docker, Jenkins, UNIX, Apache2, NGINX, HAProxy, Grafana, Chronograf

### Machine Learning Tools and Frameworks

TensorFlow, Keras, Numpy, Pandas

## EXTRACURRICULARS

### Posting articles on my personal tech-blog

<https://blog.codezest.in>

### Coordinating tech-sessions at LimeTray

To promote knowledge sharing across all teams

## ONLINE CERTIFICATIONS

### Machine Learning

Coursera • ZMB4SQTXJFWU • Certificate

### Neural Networks and Deep Learning

Coursera • KRQFF6K3LZVC • Certificate

### Convolutional Neural Networks

Coursera • NX9VH3FDQXGF • Certificate

### Deep Learning A-Z™

Udemy • UC-UNSEVV5M • Certificate

### Algorithmic Toolbox

Coursera • 7D8JH74A3PAP • Certificate

### Algorithms on Strings

Coursera • JHVUAB395JN4 • Certificate

### Algorithms on Graphs

Coursera • LMA6MGX85BN7 • Certificate

### Data Structures

Coursera • SCTG3X89QH5B • Certificate

### Cryptography I

Coursera • TUSKCRBC7PNF • Certificate