

# Kopal Gupta

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## EDUCATION

### Indira Gandhi Delhi Technical University for Women

Delhi, India | Aug 2015 - Present  
B.Tech. in Information Technology  
Expected Graduation: May 2019

### Amity International School

Mayur Vihar, Delhi | May 2015  
High School, Central Board of Secondary Education (CBSE)  
Percentage in 12th grade: 95.2%

## SKILLS

Full Stack Web Development, Machine Learning, Testing, Debugging, DevOps, API Development, UX/UI Designing, Project Management

**Languages:** C/C++, Java, Ruby, HTML, CSS, JavaScript, Python, SQL, Node.js, PHP, R, Go

**Frameworks:** Rails, jQuery, Express.js, socket.io, Spring Boot

**DB Management Systems:** MySQL, SQLite, MongoDB, PostgreSQL

**Version Control:** Git/Github, Perforce

**OS:** UNIX/LINUX

**Project Management Framework:** Agile - Scrum

**Other Skills:** Finances and Account Management, Event and Logistics Management, Team Management, Public Speaking

## SOCIETIES & ACTIVITIES

### The Association for Computing Machinery (IGDTUW Chapter)

- Treasurer | Oct 2017 - Feb 2019
- Core Member | Oct'16 - present
- Instructor for peer-to-peer sessions on Open Source and Web Development (Ruby on Rails)

### GDG New Delhi

- Member | 2019 - present

### IGDTUW's Entrepreneurship and Development Cell (EDC)

- Member, Accounting and Finance department | AY 2016-17

### TEDx IGDTUW

- Member, EM team | 2017

### Taarangana (Cultural Fest)

- Head-coordinator, EM team | 2017

### Society for Science and Public (SSP)

- Member of SSP Intel ISEF Community | 2014 - present

## LINKS

**Github:** [kopalgupta](#)

**LinkedIn:** [kopalgupta07](#)

**Twitter:** [TheKopalGupta](#)

## EXPERIENCE

### Expedia Group | Associate Software Development Engineer Intern

Gurgaon, India | June 2018 - July 2018

- Part of Expedia Worldwide Engineering (EWE) - Loyalty Engineering Oneteam (LEO).
- Worked on the DS tool's web application, UI modifications, fixed performance issues and optimised the tool by reducing the overall time taken to process requests.
- Worked extensively on the backend of the Loyalty platform ERS and developing its API.
- Performed Unit, Integration, E2E and Perf testing of the DS and ERS applications.
- Technologies used - Spring Boot, MongoDB, Expedia's UIKIT, Jenkins
- Project management framework - Agile (Mingle and JIRA)

### PSOSN Summer School

IIIT Hyderabad | July 2017

- Worked on extraction and analysis of data from OSNs (Facebook and Twitter) using python ML and scientific libraries.
- Network Analysis and Visualisation using Gephi, NetworkX, igraph

## INDEPENDENT PROJECTS

### Smart Travel - Optimising Public Transport system

- Web and mobile app based solution to enhance lives of commuters, Department and the staff appointed in public transport. In accordance with requirements of Goldman Sachs.
- Uses ML-based algorithms to predict the occupancy in bus/metro at a particular stop, safest bus route along with cheapest and quickest routes.
- Provides real-time and overall analytics to the Public Transport Department.

### FindLoan - A loan aggregation and management Application

- A flexible CMS portal that provides up-to-date information about government Loan schemes to users. Provides users interface to apply for loans online.
- In accordance with the Startup India Hub and requirements of DIPP.
- A well-structured all-in-one portal for applicants and department officials.

### EduPal - Helping students explore opportunities in their fields

- Recommends relevant competitions and scholarships to students based on their linkedIn profiles. Uses an ML-based model for making recommendations.
- Suggests students majors and colleges based on their profiles & interests.
- Assigns a tech score to students based on their GitHub contributions.

### SafeCitizen Application - Safeguarding citizens against Monkey Menace

- A Smart CMS portal for citizens, PMC and monkey catchers. Also processes CCTV footage to detect monkeys & auto-register complaints.
- In accordance with PMCCare and requirements of Pune Municipal Corporation.

### Defect Tracking Tool - Tracking and predicting bug-prone Java classes

- Predict defect-prone files in GitHub repos on the basis of important software metrics.
- Helps in developing reliable software that is maintainable and easy to test.

## SELECTED ACHIEVEMENTS

- **Smart India Hackathon 2019** - Lead the team LinkedList under Goldman Sachs (organisation). Won the first award at the Grand Finale.
- **HENNGE (formerly HDE) GIP 2019** - Selected for the Global Internship Program to be held in Tokyo, Japan. Successfully completed Golang and Network Programming challenges.
- **Niti Aayog Pune Smart City Hackathon 2018** - Top in priority theme.
- **Smart India Hackathon 2018** - Lead the team LinkedList under DIPP, Ministry of Commerce, won the third award at Grand Finale.
- **HackBMU 2018** - Won the GeeksforGeeks special award (AI track)
- **LinkedIn Wintathon 2017** - Won the third award at the Grand Finale of Wintathon (Machine Learning track).
- **Oracle GHCI Scholarship 2017** - Received the full scholarship to attend the Grace Hopper Conference India 2017 from Oracle.
- **ASU Sustainability Solutions Festival 2015** - Got the full scholarship to present research work at Arizona State University during Sustainability Solutions Festival.
- **Intel ISEF Grand Award 2014** - Won the 4th grand award in Chemistry for research work at ISEF grand finale in LA.
- **Rob and Melani Walton Sustainability Solutions Award 2014** - Won the Special award at ISEF for research work in Chemistry.

## RESEARCH WORK & PATENT

**Equipment for for detection and removal of pesticides from the surface of fruits and vegetables** | Independent Research | May 2013 - Feb 2015

Filed a patent (Application number: 75/DEL/2015) at IPO Delhi