# Kopal Gupta

gkopal97@gmail.com | https://kopalgupta.github.io

## EDUCATION

**Indira Gandhi Delhi Technical University for Women**
Delhi, India | Aug 2015 - May 2019
B.Tech. in Information Technology

**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, Deployment, 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, FoundationDB

**Software/Tools:** Docker, Kubernetes, Jenkins

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

**OS:** UNIX/LINUX, Win7/10

**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)

**Anveshan Foundation E-Cell (Incubation Centre)**
· Speaker, Member | 2019 - present
· Research Student | 2019 - present

**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

**Goldman Sachs** | Analyst
Bangalore, India | June 2019 - Present
· Engineer in the Technology division.
· Part of the SecDB Data Engineering team in SecDB Architecture.

**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.
· Technologies used - Spring Boot, MongoDB, Expedia's UITK, Jenkins, Agile

**PSOSN Summer School**
IIIT Hyderabad | July 2017
· Extraction and analysis of data from OSNs (Facebook and Twitter) using python ML and scientific libraries. Network Analysis and Visualisation using Gephi, NetworkX, igraph.

## 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. Uses ML-based algorithms to predict the occupancy, safest, cheapest and quickest routes. Provides real-time and overall analytics.

**FindLoan - A loan aggregation and management Application**
A flexible CMS portal that provides information about government Loan schemes and interface to apply for loans online. In accordance with the Startup India Hub and requirements of DIPP.

**EduPal - Helping students explore opportunities in their fields**
Uses ML-based model to recommends relevant competitions and scholarships to students based on their linkedIn profiles. 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. Processes CCTV footage to detect monkeys & auto-register complaints. In accordance with PMCCare and requirements of PMC.

**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.

**Statistical Analysis of Refactoring Techniques**
Uses statistical tests to determine effects of refactoring techniques on various software metrics and analyse effectiveness of each.

## SELECTED ACHIEVEMENTS

· **Linux Foundation Diversity Scholarship 2019** - Received the scholarship to attend Linux Open Networking Summit Europe 2019 in Antwerp, Belgium.
· **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