



## Gaurav Mittal

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### Profile

Software Engineer with 10+ years of experience in analysis, design and development of Real-time Android Applications, and Backend Applications following best practices for mobile and remote environments respectively. Have expertise in developing products and scaling to millions of users. I am passionate about my work and have strong attention to detail, and a dedication to providing exceptional user experience.

Tags:

Data-Mining, Data-Science, Natural-Language-Processing

Algorithms, Data Structures, Java, C++

App Development: with best practices for scalable products.

Micro-services, Docker, Relational/Non-Relational/Graph DBs, Message Brokers

Multi-threading and Asynchronous Programming for Java.

<http://www.spoj.com/users/gauravmittal/>

<https://www.hackerrank.com/gauravmittal>

<https://www.goodreads.com/gauravmittal>

### Experience

#### **FOUNDER AT SPOTFLIK**

**AUG 2021 - MAR 2023**

Created a movies recommendation product. End-to-end development. Backend and Android. Apart from applications and web-services, I also created a recommendation engine that analyses over 20 million reviews using Data-Science and Machine Learning based on Natural Language Processing that creates n-dimensional vectors for every content(movie/series for now) and provides recommendations to users.

Apart from Engineering, I worked on user-acquisition and retention, other aspects of product development including UI/UX.

#### **HEAD OF MOBILE AT LOCONAV**

**OCT 2018 - APR 2020**

Created the team from scratch and scaled it to 10 developers. Design the architecture of the whole application.

Being a B2B SaaS company, it was vital that the application has impeccable reliability. On top of an ever-expanding list of features and business requirements.

Me, my team achieved a crash-free session rate of 99.999% (five 9s)

**LEAD ANDROID DEVELOPER AT HIKE MESSENGER****JUNE 2013 - SEPT 2017**

Hike Messenger scaled to over 50 million users in less than 3 years.

I joined Hike Android development team in its early stages. Made and worked on the architecture and designs of the core components. Enhanced reliability under low networks and performance following best practices for mobile environment.

Also created the hike web product from scratch, both web client and web server.

Promoted to level 10 just over a year. Fastest in Hike.

**HEAD TECHNICAL AFFAIRS, IEEE-DTU****JULY2012-JUNE2013**

Helped the students everywhere I could with what I had learned through the years.

I was in-charge for all robotics and programming events along with open competitions held through the year.

**PLACEMENT COORDINATOR, DELHI COLLEGE OF ENGINEERING****MAY2012-MAY2013**

Coordinated with over 200 companies, setup and managed drives for over a 100 of them and ensured highest placement for the department ever.

- Determine all required placement requirements and assist all apprentice participants to exchange all information appropriately. Maintain knowledge on all requirements to facilitate efficient working of company.
- Collaborate with externship coordinator and program directors to administer all changes.
- Prepare all data and perform surveys for various team members through accreditation boards. Administer and provide assistance to all annual enrolment processes and prepare placement reports and facilitate in community participation.

**CO-FOUNDER, ROBOCLUB DCE****JUNE2011 - APRIL2013**

We started the club as a platform where students can share their knowledge and their resources.

**TRAINEE, TATA TECHNOLOGIES**

**DECEMBER 2010 - JANUARY 2011**

Worked with *Vehicle control language with Curtis 1310*

The Curtis 1310 vehicle system controller provides unprecedented flexibility and ease-of-use. It contains a powerful micro-controller, FLASH memory, and a wide range of inputs and outputs—which means it can be custom-programmed to provide complex and unique functions for your specific application.

Custom software for the 1310 is written with VCL (Vehicle Control Language), an innovative programming language developed by Curtis. The 1310 controller integrates and expands systems through its industry standard CAN bus communication port. The 1310 controller can be applied to electric vehicles, non-electric vehicles, and stationary control systems.

## Education

**DELHI COLLEGE OF ENGINEERING**

**BACHELOR OF ENGINEERING (B.E.) 2013**

Analog Integrated Circuits, Electrical Machines, Introduction to VLSI Design, Digital Signal Processing, Electrical Power Systems, Control Systems, Electronic Instrumentation

Activities and Societies:

Robotics

**MAJOR PROJECT**

**DCE HYBRID VEHICLE PROJECT**

**AUGUST 2010 - JULY 2013**

Made a ready parallel hybrid vehicle ready to be adopted into the mainstream automobile industry in association with IOCL R&D and MARUTI SUZUKI. I created and applied the complete control systems design of the Vehicle. Programmed the Vehicle Control Unit.

<https://drive.google.com/file/d/0B7Glqnf-l6WVRIZKQkhzUFN2S2M/view?usp=sharing>

**COMPETITIVE CODING:**

Sphere Online Judges- Global Rank : 2284

<http://www.spoj.com/users/gauravmittal>

Hacker Rank <https://www.hackerrank.com/gauravmittal>

Codechef, Topcoder

ACM-ICPC (International Collegiate Programming Contest)

Asia Regional Kanpur 2012: Online Rank 31, Onsite Rank 34

Asia Regional Amritapuri 2012: Online Rank 75, Onsite Rank 25

## Volunteering

**ROBOTICS AND PROGRAMMING SIGS AT DCE**

Taught and helped students with everything I had learned as a student and from many experiences.