

# Naman Bhalla

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## EDUCATION

### BML MUNJAL UNIVERSITY B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2016 - 2020 | Gurugram

GPA: 9.57/10

## LINKS

Blog:// [Naman Bhalla](#)

Github:// [Naman-Bhalla](#)

LinkedIn:// [namanbhalla](#)

Codechef:// [naman\\_bhalla](#)

Codeforces:// [Naman\\_Bhalla](#)

## COURSEWORK

### UNDERGRADUATE

Advanced Design and Analysis of Algorithms

Distributed Systems

Information Retrieval

Cloud Computing

Internet of Things

Operating Systems

Database Systems

Computer Networks

Computer Organization and

Architecture

### INDEPENDENT

Deep Learning Specialization (Coursera)

CS 224N Natural Language

Processing (Stanford)

CS 231N Convolutional Neural

Networks (Stanford)

Design and Analysis of Algorithms (MIT OCW)

## SKILLS

### PROGRAMMING

C++ • Python • Java • Typescript •  
Android • C • Ruby on Rails • Spring •  
React • Kafka

## EXPERIENCE

### GOOGLE | SOFTWARE ENGINEER

Aug 2020 – Present | Bangalore, IN

- Working on Google Ads Resource Economy.
- Building a system to automate and plan PnL costs by consuming data from different financial and monitoring systems. Coming up with Software Design and Flows for the same and implementing, documenting them.
- Languages and Frameworks used: C++, Java, Typescript, Angular.

### CULTGEAR @ CUREFIT | SOFTWARE ENGINEERING INTERN

Sep 2019 – March 2020 | Bangalore, IN

- Worked on a tool to manage the designs under development and incorporate customer feedback in the phase to reduce monetary losses. Worked on both Frontend and Backend.
- Worked on the Data Ingestion Layer of an upcoming smart device to create user profiles and provide relevant insights based upon their health metrics. Designed architecture to withstand data coming continuously from 10 million+ devices.

### SHIPSY | SOFTWARE ENGINEERING INTERN

May 2019 – July 2019 | Gurugram, IN

- Used Apache Airflow to transform ETL pipeline with real-time monitoring, reducing failure rates by 50%.
- Built a system to scrape couriers' tracking websites and provide the clients with status monitoring for their packages on a unified dashboard.
- Built a POC of an AR Application that measured parcel dimensions without user interaction.

### SHIPSY | SOFTWARE ENGINEERING AND DATA SCIENCE INTERN

Feb 2018 – July 2018 | Gurugram, IN

- Built an end to end Machine Learning pipeline to recognize text from handwritten postal labels with an accuracy of 71%.
- Reduced frame processing time by 3 times on Shipy's Rider Android App by implementing custom CameraView and using Facebook's Fresco for reducing memory consumption.
- Used Firebase ML Kit to implement Barcode Scanning. Doubled the rate of scan by making efficient use of multithreading.

## PROJECTS

### COLLABORATIVE TEXT EDITOR

March 2019 – April 2019

- Implemented a Text Editor that allowed multiple users to edit a document concurrently using Operational Transformation (OT) and Conflict-Free Replicated Data Types (CRDTs).
- Achieved latency of < 0.5s for each operation (a single character insert, delete, undo) to be transferred to parallel editors.

## ACHIEVEMENTS

Oct 2019	CodersBit Global Rank 23/ 10000+
Oct 2019	ACM ICPC 2019-20 Kanpur India Regionals Rank 37
August 2019	HackerEarth Hourstorm Global Rank 32/ 1685
July 2019	Google Kickstart Round D Global Rank 135/ 1866
September 2018	1 <sup>st</sup> /40 Alibaba Tianchi Natural Language Processing Hackathon