

# Varun Thakur

001vrn.github.io | fb.com/001vrn  
varun13thakur@gmail.com

## EDUCATION

### UNIVERSITY OF DELHI

**MSC IN COMPUTER SCIENCE**  
2017 | Delhi, IND

### UNIVERSITY OF DELHI

**BSc (HONS.) IN COMPUTER SCIENCE**  
2015 | Delhi, IND

## LINKS

StackOverflow:// 001vrn

GitHub:// 001vrn

Medium:// 001vrn

LinkedIn:// 001vrn

Twitter:// @001vrn

## COURSEWORK

### GRADUATE

Advanced Operating Systems  
Design and Analysis of Algorithms  
Machine Learning  
Artificial Intelligence  
Information Security  
Compiler Design  
Database applications  
Data Mining

### UNDERGRADUATE

Design and Analysis of Algorithms  
Database Systems  
Computer Network  
Theory of Computation  
Software Engineering  
Operating Systems  
Computer Graphics  
Computer System Architecture

## SKILLS

### TECHNICAL SKILLS

- Java • Kotlin • Spring (Boot/MVC)
- AWS • gRPC • System design
- PostgreSQL • MS SQL Server • SQL
- Cassandra • Scylla • DynamoDb
- Redis • Kafka • Avro • Agile(Scrum)
- JMeter • Docker • Wiremock
- GCP • Non-functional testing

### SOFT SKILLS

- Communication (English, Hindi)
- Public Speaker • Self-motivation
- Responsible • Problem-solving
- Teamwork • Leadership • Volunteer

## WORK EXPERIENCE

### DELIVERY HERO | SOFTWARE ENGINEER II

Jan 2022 - Present | Berlin, DEU

- Working on a Tier 1 service with 5K TPS which handles vendors data
- Active contributor in Pandora Backend chapter meeting biweekly
- Migrated Tier 1 workloads (2 apps + DB) from GCP to AWS
- Worked on cloud cost saving and saved \$230K monthly in GCP
- Improved operational excellence by adding runbooks, tweaking alerts
- Participating in on-call and contributing in DH-wide WoR meetings
- Writing and reviewing code in **Java/Kotlin/Golang** using PostgreSQL, Redis
- Mentoring junior/trainee developers with the project ramp-up

### EXPEDIA | SOFTWARE DEVELOPMENT ENGINEER III

Jan 2019 - Dec 2022 | Bengaluru, IND

- Building high-performance and low-latency APIs that scale easily for traffic
- Responsible for design, implementation, testing, monitoring and on-call
- Led design, use-case discussions to get buy-in(or feedback) from teams
- Promoted to **SDE III for meaningful and impact contributions** in Apr 2021
- Worked on ML-driven, temp closures(covid related) customer facing features
- ScyllaDb migration to save cloud and licensing cost(est. \$2.7M annually)
- Re-architected the legacy systems and migration to the Expedia Group platform
- Promoted to **SDE II for impactful contributions** in Aug 2020
- Improved latency from p95 1 sec to 500 ms with peak traffic of 2.5K TPS
- AWS Cloud migration for components(4 apps + 2 DBs)
- Built data pipelines using Spring-kafka, Avro schema
- Joined as an Associate SDE in Jan 2019, later on **promoted to SDE I**
- Backend developer - wrote and reviewed code in **Java/Kotlin** using Spring boot/MVC, AWS, k8s, gRPC, protobuf

### QUOVANTIS | FULL-STACK SOFTWARE DEVELOPER

Nov 2017 - Jan 2019 | Noida, IND

- Working on Vatica Health - a US based Healthcare SaaS product
- Design, develop and testing software as per product requirements
- Wrote and reviewed code using C#, .NET framework, Angular
- Mentoring junior/trainee developers with the project ramp-up

## ACHIEVEMENTS

- **Spot award** for impactful contributions - Delivery Hero - 2022
- **Spot award** for exceptional meaningful contributions - Expedia Group - 2020
- Recognized as an **OSS contributor** - Expedia Group, Hotels.com - 2019
- Rewarded T-Shirt(s) for **open-source** contributions - Expedia Group - 2019
- Runner up at Hotels.com Global Hackathon(37 teams across the globe) - 2019
- Got invited to **F8** in San Jose, California, USA - Facebook - 2019
- Won 2 Alexa Echo Dot and a Limited Edition Alexa T-shirt - Amazon - 2018

## POSITIONS OF RESPONSIBILITY

- Covid-support warrior, volunteer during covid second wave at Expedia - 2021
- Mentor, mentored students for career development at Fb Dev Circle: Delhi - 2018
- Speaker, gave a talk on Alexa Skill Development at Fb Dev Circle: Delhi, NCR - 2018
- Judge, for Spin-a-Hack, MakeAPP competition in Sankalan - Tech Fest DUCS - 2018