

VARUN THAKUR

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## Professional Experience (Total: 3+ year )

- **SDE 1 - [Expedia Group](#) - Jan 2019 - Present**
  - Working as a backend software developer with [Hotels.com](#)(now part of Expedia Group)
  - Promoted to SDE 1 and now working with HCOM ML team(March 2020 - Present)
  - Joined Expedia Group as an Associate SDE, worked with HCOM Core Services team (Jan 2019 - Feb 2020)
- **Software Engineer - [Quovantis Technologies](#) - Nov 2017 - Jan 2019 (1 year three months)**
  - Full-stack web development using ASP.NET C#, Angular 4 for a US-based healthcare company

## Technical Exposure

Language Skill Set	Java, Kotlin, JavaScript, Typescript, C++, C, C#
Development Framework	Spring MVC/Boot, .NET Web MVC/API
Design and Modelling skills	Object-Oriented Analysis and Design, MVC Architecture, Agile Development (Scrum), Algorithms, Data Structures
Operating System	Mac, Windows, Linux
DBMS packages	<ul style="list-style-type: none"><li>• MS SQL Server, Oracle 10g, MySQL</li><li>• ScyllaDb, AWS DynamoDb, Cassandra</li></ul>
Cache	Redis, AWS Elasticache
Queueing Technologies	Apache Kafka, Avro, Schema Registry
IDEs	IntelliJ IDEA, Visual Studio, Cloud 9, Xcode, Eclipse
Version Control	Git, TFS
Issue Tracking	JIRA, Github, Bitbucket, Trello
Build pipeline	Jenkins, Bamboo
Testing & Misc	JUnit, TestNG, TestContainers, Cucumber, Splunk, Grafana, Tomcat, Lucene, Jmeter

## Academic Background

Year	Degree	University/Board	Institution
2017	M.Sc. (Computer Science)	University of Delhi	Department of Computer Science(DUCS)
2015	B.Sc. (Hons.) Computer Science	University of Delhi	Shaheed Sukhdev College Of Business Studies(CBS)

## Achievements

- **Spot award** for exceptional contributions above and beyond usual responsibilities - Expedia Group - 2020
- Recognized as an **OSS contributor** - Expedia Group, Hotels.com - 2019
- Rewarded a T-Shirt for **open source contributions** in the **community-driven projects** - 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** - Annual Developer Conference by **Facebook** - 2019
- Won **2 Alexa Echo Dot** and a **Limited Edition Alexa T-shirt** - [Alexa Skills Challenge: Kids](#) - 2018

- **1<sup>st</sup> Division** in **Post-Graduation** - 2017
- **1st Prize** in **MakeAPP** Intra **Sankalan** - 2016
- **2nd Prize** in **IT Tambola** - **TechMelange** - Annual Tech Fest of Shaheed Rajguru College - 2016
- **3rd Prize** in **Decode** (coding event) **Sanganak** - Annual Tech Fest of CBS - 2015
- **318 AIR** in **NIMCET**, got **NIT Warangal** - 2015
- Cracked **DU MSC(CS)** Entrance, **DU MCA** Entrance, and **DU MSC(OR)** Entrance - 2015
- Secured **100% marks** in **Data Mining** in **BSc(Hons) Computer Science** - 2015

## Positions of Responsibility

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- Worked as **Speaker**, gave a talk on Alexa Skill Development at **Facebook Developer Circle: Delhi, NCR** - 2018
- Worked as **Mentor**, mentored students for career development at **Facebook Developer Circle: Delhi, NCR** - 2018
- Worked as **Judge**, for **Spin-a-Hack, MakeAPP** competition in **Sankalan** - Annual Tech Fest of DUCS - 2018
- Worked as **Codechef SnackDown Representative** responsible for promotion - 2017
- Worked as **Senior Coordinator** for **MakeAPP** competition in **Sankalan** - Annual Tech Fest of DUCS - 2017
- Worked as **Junior Coordinator** for **MakeAPP** competition in **Sankalan** - Annual Tech Fest of DUCS - 2016
- Worked as **Senior Coordinator** for **Decode(Coding Event)** in **Sanganak** - Annual Tech Fest of CBS - 2013

## Projects Undertaken

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- **Hotels.com** (Expedia Group)
  - Team - **HCOM MALT(Machine Learning Acceleration)** - a team of Devs, QA, Designers, PMs, Content
  - **Role and Responsibilities:**
    - Prioritizing, developing, and rolling out ML-driven customer-facing product features
    - Performance testing with downstream svc so that SLAs are met
  - **Technologies used:** gRPC, protobuf, Java, Spring MVC/Boot, wiremock, Redis(AWS), Jmeter, Jenkins
  - Team - **HCOM Shopping Services** - PDP & suite of business services as BE Developer with 11 engineers
  - **Role and Responsibilities:**
    - Participating in SCRUM with members of a distributed team(NORAM, EMEA, APAC)
    - Cassandra Database migration to ScyllaDb to save cloud and licensing cost(est \$2.7M annually)
    - API integration with downstream services, using MVT to rollout winning features
    - Adding fault-tolerance, resilient capabilities to components/services
    - Bug fixing, Feature implementation, Refactoring, Code reviews, Debugging, Operational support
  - **Technologies used:** Java, Kotlin, Scala, gRPC, Akka, Spring MVC/Boot, GraphQL, ScyllaDb, Redis(AWS), Cassandra(DSE), DynamoDb, Docker, Kubernetes, Istio, Jenkins, Bamboo, Splunk, Prometheus, Grafana
  - Team - **HCOM Core Services** - GEO & TFN as a Java Backend developer along with seven engineers
  - **Role and Responsibilities:**
    - Participating in each phase of SDLC - requirements, design, implementation, testing, monitoring
    - AWS Cloud migration for components(pipelines, services) owned by the team
    - Architecture contribution to migrate legacy systems to the EG platform
    - Writing Kafka queue consumers using Spring-Kafka, Avro schema
    - Integration of microservices with Haystack/Zipkin to get telemetry data around latency
    - Bug fixing, Feature implementation, Refactoring, Code reviews, Debugging, Operational support
  - **Technologies used:** Java, Kotlin, Spring MVC/Boot, Cassandra(DSE), Lucene, SQL Server, Docker, Lambda, S3, DynamoDb, Kubernetes, Istio, Kafka, Avro, Jmeter, Bamboo, Jenkins, Splunk, Grafana, Graphite
- **Vatica Health** (Quovantis)
  - Working on this project as a Full-stack web developer with a team of 30 engineers
  - **Roles and Responsibilities**
    - Participating in all agile meetings, analyze and understand all the requirements in-depth
    - Design, implementation, and testing of software in a way that results in bugfree production code
    - Writing automated unit tests assist the quality team in the automation of tests
    - Assist in performance and security testing, research, and innovation to find the best solution
  - **Technologies used:** ASP.NET MVC 4.5, Web API 2, EF6, Angular, Typescript, HTML, CSS, Webpack, Jasmine