

Sidharth Mittal

Software Engineer

Hyderabad, Telangana | +91-9643117793 | ssidharthmittal@gmail.com

[in linkedin.com/in/sidharth-mittal/](https://in.linkedin.com/in/sidharth-mittal/)

Summary

I'm a software engineer with 3 years of experience. I have always been driven by what potential impact can my work produce and the value it can bring, be it in whatever domain and have never compromised on it. I like to maintain an innovative attitude and develop end-to-end highly efficient systems.

Work experience

Software Engineer

2016 - Present

Microsoft India R&D Private Limited, Hyderabad

Team-

Bing and AI Products (January 2019 - Present)

Bing Events Team

- Development of workflows and plugins on XAP (Bing Query Platform) for triggering 'Event' intent queries on Bing search.
- Setting up infrastructure to show events based on user preference such as favorite artist or category, showing significant improvements in user engagement and revenue.
- Automated data-pipeline setup to fetch data at scale from across-web annotated in Schema.Org notation from ~30k domains. Handling a huge data-set to be incorporated in the current pipeline by dynamically processing each data-provider, enriching data, cleaning data, and have build a fresh ML model to conflate venues. Enhancing events data store from ~700k events to ~1.5M events.

Team-

Dynamics 365 for Talent (July 2017-January 2019)

A co-development team working with Dynamics-365 Talent team in Redmond, Seattle.

- Dynamics 365 for Talent is developing an ATS for Enterprise where I was engaged as a full-stack developer for developing a web-based customer-centric product. Working on both back-end services and UI components using .NET Core, Angular 5, Microsoft Dynamics CRM, Document DB.
- Designed and Implemented numerous features for Dynamics-365 Offer Management.
- Ensured security and vulnerability compliance benchmarks for first release.
- Setting up infrastructure for integration tests along with continuous monitoring for the entire back-end services.
- Active on-call participation to ensure reliability and availability of all services.
- Following engineering practices as taken up in a product group, has taken me a step closer to being a good developer. Such as following DevOps, continuous release environments, code coverage, setting up TSG and wikis, and service reviews.

Team-

Platform Application Framework (Notification, Diagnostics and Configuration) (July 2016-July 2017)

- Developed highly scalable web-services to serve multiple clients ~50 applications, following micro-services architecture.
- Technologies Used: Azure Service Fabric, .NET Framework 4.5.2, DocumentDb,

Skills

Languages



C, C++, C#, Angular 5, Typescript, Python, PHP, HTML, SCSS, SQL, Scope, OCaml, LaTeX.

Databases



DocumentDB, COSMOS, Microsoft Dynamics CRM (XRM), SQL Server, Azure Table Storage.

Tools and Technologies



Visual Studio, Git, Azure Technologies (including Azure-ML), .NET 4.5, .NET Core, WEKA, MATLAB, Octave.

Certifications

1. Coursera - Machine Learning by Stanford University. (Andrew Ng)

Kendo and other Azure technologies.

- Setting up Continuous Integration and Continuous Deployment for all Service Fabric services, saving 8 hours of deployment effort and providing Zero-Down-Time deployments.
- Integrated Log Analytics for entire platform using Azure OMS (Operations Management Suite), which monitors APIs, cluster node health, User Activity, Database usage etc.

Education

Master of Technology (Computer Science Engineering) 2014 - 2016

[Indian Institute of Technology, Delhi](#)

CGPA - 7.98

- **Courses Taken:**

Advanced Data Structures, Computer Graphics, Cloud Computing and Virtualization, Wireless Networks, Advanced Database Implementation, Business Intelligence, Introduction to Logic and Functional Programming, Synthesis and Design of Digital Systems.

- **M.Tech Thesis: Application Specification Language**

Supervisor: Dr. S. C. Gupta

A simple Application Specification Language (ASL) to design and document the features of a web application.

The ASL is a formal language used to describe a system at a higher level than a programming language. *It describes the what and not the how.* The ASL can be translated to a set of 3rd Generation languages such as PHP, JavaScript, AJAX and HTML. Also, a translator is developed using Python to convert the JSON specification of newly designed application specification language (ASL) into 3rd generation languages.

Bachelor in Technology (Computer Science Engineering) 2010 - 2014

[Uttar Pradesh Technical University, Lucknow](#)

CGPA - 7.59

- **Courses Taken:**

Data Structure, Algorithms, Computer Networks, Artificial Intelligence, Machine Learning, Operating Systems, Compiler Theory, Digital Logic, Computer Architecture, Microprocessors, Systems Programming, Advanced Graph Theory

Qualifying Exams

1. Graduate Aptitude Test in Engineering (GATE) 2014

Paper: **Computer Science**

All India Rank: **223 (Percentile 99.85%)**

Total candidates: **155190**

Others

Hobbies

- Squash
- Hindustani Classical
(Vocal and Keyboard)
- Reading
- Blogging
doubledareyourself.blogspot.in
- Coin Collection (numismatics)

Interests

- Sports
- Reading Research Papers