

# AMAN SHARMA

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## Education

### Illinois Institute of Technology

MS Computer Science | College of Science

GPA: 3.10/4.00

Chicago, IL

Aug 2018 – May 2020

### Chitkara University

BTech Computer Science | College of Engineering

GPA: 3.50/4.00

Punjab, India

Aug 2013 – July 2017

## Core Competencies

- **Languages:** C/C++, Java, R, Python, Spring, Spring Hibernate, Spring Boot, Spring MVC, J2SE, J2EE, Node JS, Angular JS.
- **Database Technologies:** Oracle 8.x/9.x, MS Access, MySQL, SQL Server, NoSQL, PostGre SQL, MongoDB, HBase.
- **Web Technologies:** HTML5, CSS, JavaScript, Bootstrap, XML, jQuery, REST APIs, JSON, JSP.
- **Others:** AWS (EC2, S3, RDS, DynamoDB), Microsoft Azure, Hadoop, MapReduce, Pig, Hive, Kubernetes, Docker, Jenkins, Cassandra, Kafka, Selenium, Android Studio, NetBeans, Eclipse, RStudio, GIT.
- **Certifications:** Robotics, Microsoft Certified: Big Data Analytics, Mobile Application Development, jQuery, C++.

## Experience

### Tata Consultancy Services

Full-stack Java Developer | Client Humana

Chicago, IL

July 2020 – Present

- Contributing to developing front-end website architecture, designing user interactions on web pages, and back-end website applications. Creating servers and databases for functionality, designing, and developing APIs.
- Working on Backend Activities such as creating and managing API, deploying and managing the application using AWS services.
- Working on Migration Project to convert old legacy code into new platform using Java and Spring Framework.
- Responsible for adding new features and changing the existing ones in the Application according to the requirements.

### Verifone

Deployment Intern

Chicago, IL

May 2019 – Dec 2019

- Focused on Android development: developed and maintained payment-related applications, services, and framework functionality for Verifone Inc's next generation Android platforms.
- Contributed to the development, and maintenance of android applications, and services related to point of sale, payment processing, performance monitoring, consumer analytics, and test automation.
- Contributed to the extension of the core Android payment service functionality to support the aforementioned areas.
- Executed rapid prototyping to facilitate proof of concept and demonstrations for complex requirements and features.
- Developed and tested the defined requirements with high accountability while managing risks and the potential of evolving requirements. Worked closely with other functional teams, third parties, and vendors to facilitate the resolution of issues.
- Solved complex challenges specifically related to delivering Android applications and services for the unique requirements of the payment industry.

### BNY Mellon Technology

Associate Application Developer

Pune, India

Jan 2017 – July 2018

- Worked on various live projects of BNY Mellon creating multiple software with different frameworks. (Spring, Spring Boot)
- Worked on security and forming different modules in the projects that are trade platform projects.
- Responsible for making new changes and monitored the websites made.

## Academic Projects

- **Educational Website -Toddler** – there are two portals for teachers and students for the interaction easy between them. Various features were added like note management, daily activity log, user details, find contacts, diet required, marks upload, and update features on the website.
- **Water Flow Meter (IOT)** – An android application to control the flow of water. Tech stack: python. Hardware components: flow meter, bread board raspberry pi.
- **Hotel Management** – An android application with all the features and services like room service, front desk, and housekeeping. Tech Stack: Android Studio, PHP admin, SQLite.

## Academic Leadership, Honors, and Extra-curricular

- Research work on “frequency-based energy efficient motley RAM design on 40nm FPGA Technology.
- Has been accepted for publication in the SCOPUS journal. The paper is published in the international conference RTCSE.
- Advance Data Mining LDA for TOEFL Test collaborated with UCSB to implement LDA model and word embedding.