

# FNU NUPUR

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## TECHNICAL SKILLS

<b>Programming Languages:</b>	Java, Python, SQL, PL/SQL, C
<b>Web Technologies:</b>	HTML, CSS, JavaScript, PHP, Bootstrap, JSON, Servlets, JSP, JSTL, JDBC, EL, Tomcat
<b>Frameworks:</b>	Spring MVC, AJAX, Hibernate
<b>IDE's:</b>	NetBeans 8.0.2, Eclipse, Visual Studio Tools, Dreamweaver, Spyder, Jupyter Notebook
<b>Tools:</b>	JIRA, UC4, Gradle, Docker
<b>Databases &amp; Servers:</b>	Oracle 10g, 11g, Toad for Oracle 11.5, MySQL, Apache Tomcat 8.0
<b>Operating System:</b>	Windows, Android, Linux, Mac OS
<b>Version Control:</b>	Git, Bitbucket

## EDUCATION

<b>Northeastern University   Boston, MA</b>	<b>Expected August 2020</b>
<i>Master of Science, Information Systems</i>	
<b>Mody University of Science and Technology   Rajasthan, INDIA</b>	<b>August 2012 - May 2016</b>
<i>Bachelor of Technology, Electronics and Communication</i>	

## WORK EXPERIENCE

<b>Bangalore Computer Education   Bathinda, INDIA</b>	<b>April 2018 -July 2018</b>
<i>Trainee</i>	
<ul style="list-style-type: none"><li>Created a web application for easy and convenient viewing of results and managing the marks of each student by generating a mark sheet using HTML, CSS, PHP, JavaScript, XML</li><li>Integrated Relational Database composed of SQL -stored procedures and functions for retrieving information from the database</li><li>Increased the work efficiency by reducing the paper work by 80 percent</li></ul>	
<b>Accenture Solutions   Bangalore, INDIA</b>	<b>July 2016 – March 2018</b>
<i>Software Engineer</i>	
<ul style="list-style-type: none"><li>Built business intelligence reports in business objects leveraging the benefits to users to facilitate the daily operation of business</li><li>Designed and developed an application using JAVA to store client's interaction and credit information, reducing the ticket count by 25%</li><li>Developed procedures, functions, packages in Oracle as per business requirements, decreasing execution time by 35%</li><li>Designed complex SQL queries with a team of 4 members, to validate the data from upstream system to downstream system, thus improving the performance of the application to get optimized and faster results</li><li>Automated work sheet tracker of employees in Spring MVC framework using JavaScript, CSS, HTML and JAVA, increasing the productivity of the project by 30%</li><li>Communicated daily with clients to serve ad-hoc requests by managing code fixes into production with zero and minimal defects</li><li>Modelled a Spring MVC architecture for the clients and used Hibernate to store the data in the database</li></ul>	
<b>Delhi Metro Rail Corporation ltd.   Delhi, INDIA</b>	<b>May 2015 -July 2015</b>
<i>Intern</i>	
<ul style="list-style-type: none"><li>Gathered information for the development of web to maintain a track of salary of each employee</li><li>Developed the application using JAVA and managed the backend using MySQL</li></ul>	

## ACADEMIC PROJECTS

<b>E-Book Store (HTML, CSS, Java, Spring MVC, Hibernate, Apache Tomcat Server, MySQL, STS Framework)</b>	<b>March 2019</b>
<ul style="list-style-type: none"><li>Developed an e-book store using Spring-MVC framework with Hibernate on STS environment</li><li>Implemented functionalities-- sending user email confirmation on registration, viewing and adding details of cart</li><li>Generated final bill as PDF with PDF-View</li></ul>	
<b>HyperparametersDB (Python, H2O AutoML)</b>	<b>March 2019</b>
<ul style="list-style-type: none"><li>Developed a hyperparameter database that allows users to visualize and understand how to choose hyperparameters that maximize the predictive power of their models. Applied exploratory data analysis and performed hyperparameter tuning</li></ul>	
<b>Electronic Health Record (Java, Swing Framework)</b>	<b>December 2018</b>
<ul style="list-style-type: none"><li>Successfully implemented a multiparty user interface system in NetBeans 8.2 containing medical history of patient, treatment plans from doctors, and orders like diagnostic tests at all stages of healthcare system with the convenience of booking appointments</li><li>Executed a unique feature in which patient's guardian/children can see the medical history without having the access to edit it</li><li>Maintained the scalability of data by using an open source object Database: Db4o</li></ul>	
<b>Airline Database Management System (SQL, MySQL Workbench)</b>	<b>December 2018</b>
<ul style="list-style-type: none"><li>Designed ER Model and normalized database with triggers, procedure, views, events in MySQL</li><li>Established robust techniques, implemented a feature for users to provide access control and security within database and successfully optimized SQL queries, stored procedures, triggers, functions to improve the performance time by 30%</li></ul>	