

# FNU Sandeep

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## EDUCATION

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<b>Illinois Institute of Technology, Chicago, IL</b>   <i>Master's in Computer Science</i>   <i>College of Science</i> , GPA: 3.30/4.0	<b>May 2020</b>
<b>Rajasthan Technical University, Kota, IN</b>   <i>Bachelor's in Computer Science and Engineering</i>	<b>May 2016</b>

## WORK EXPERIENCE

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<b>Software Developer-Research</b>   <b>Illinois Institute of Technology</b>   <b>Chicago, IL</b>	<b>July 2020-Present</b>
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- Collaborating in the research of application development; collecting and analyzing data to get optimized results.
- Reports on research and conclusions - Java/J2EE, Html, CSS, JavaScript, SQL, AWS.

<b>Jr. Software Engineer</b>   <b>Nuriss Life Care</b>   <b>New Delhi, India</b>	<b>Jan 2017-June 2018</b>
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- Work closely with all levels of employees to Analyze and extract insights from datasets involving historical business and participated in the Software development life cycle process.
- Designed and Implemented platform using MVC design pattern with JAVA, JSP, J2EE, and SQL technologies.
- Worked in a team environment to implement an internal ERP platform which improved efficiency by 20%.
- Involved in deployment support and QA support which included defects analysis and fixes during functional testing cases ranging from high level to low-level defects.
- **Technologies Used: JAVA, JSP, SQL, HTML, XML, AWS**

<b>Software Engineer Intern</b>   <b>PVR Limited</b>   <b>Gurgaon, India</b>	<b>May 2015-July 2015</b>
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- Analyzed data for the frequency of PVR users to campaigns for different offers/promotions.
- Design SQL Database of >12 tables to store website, email, contact, and booking behavior of ~1000 frequent PVR users.

## SKILLS & INTERESTS

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<b>Programming:</b>	JAVA, Python, C/C++, R
<b>Web Development:</b>	HTML5, CSS3, JavaScript, PHP, JSON, jQuery, JSP, AJAX, Bootstrap, NodeJS
<b>Databases &amp; Big Data:</b>	MySQL, MongoDB, Apache Hadoop, Hive, Pig, Spark
<b>Other Technologies:</b>	AWS (Lambda, EC2, S3, EMR), Spring, Hibernate, Git, Bitbucket, SDLC, Linux, Agile (Scrum), Android

## ACADEMIC PROJECTS

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**Best Deal (Java, MySQL, Python, MongoDB, Spring, JavaScript, HTML, CSS, Bootstrap, Twitter APIs)**

- Developed MVC- based e-commerce web application for online purchase or sale of electronic products.
- Implemented features like bestselling products, price match with 91% accuracy, and recommend similar products with 89% accuracy and sales reports.

**Cross-Lingual Embeddings and Text Classification (Python, TensorFlow, Keras)**

- Built a Classifier using LSTM in which MUSE embeddings are used to represent the Movie reviews in the same vector space.
- Preprocessed the corpus and trained the classifier in English using the embeddings.
- Tested the classifier on Spanish language with an accuracy of 87%.

**Online Meal Delivery System (Java, Python, JavaScript, MongoDB, MySQL, HTML5, CSS, JSP, AJAX, Zomato API)**

- Developed MVC-based web application using **J2EE** (Servlet, JDBC) at backend and HTML5, CSS3, **JavaScript, AJAX** at the frontend, with some special idiosyncratic and analytics features implemented using SQL operations.
- Retrieved more than 100 restaurants' data from Zomato's Rest APIs and designed Responsive UI using Bootstrap.

**Virtual Calculator Using Hand Gestures (OpenCV, Python, Keras)**

- Developed a model to read the user hand gestures and calculate mathematical operations based on those gestures.
- Hand gestures are captured and stored in the local directory (using histogram values up to 1200 frames) from which the model is trained using OpenCV in Python.