FNU Sandeep

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EDUCATION

Illinois Institute of Technology, Chicago, IL | *Master's in Computer Science | College of Science,* **GPA:** 3.30/4.0 **May 2020**

Rajasthan Technical University, Kota, IN | *Bachelor's in Computer Science and Engineering* **May 2016**

SKILLS & INTERESTS

Programming:	JAVA, Python, R
Web Development:	HTML5, CSS3, JavaScript, JSP, JSON, AJAX, Bootstrap
Databases & Big Data:	SQL, MongoDB, Apache Hadoop, Hive, Spark, Kafka, Pig
Other Technologies:	AWS, Spring, Hibernate, Git, Bitbucket, SDLC, Linux, Agile, Android

WORK EXPERIENCE

Software Developer-Research | Illinois Institute of Technology | Chicago, IL *Sept 2020-Present*
- 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.

Jr. Software Engineer | Nuriss Life Care| New Delhi, India *Jan 2017-June 2018*
- 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, Python, JSP, SQL, HTML, XML, AWS**

Software Engineer Intern | PVR Limited | Gurgaon, India *May 2015-July 2015*
- 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.

ACADEMIC PROJECTS

Best Deal (Java*, MySQL, Python, MongoDB, 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. Source Code

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%. Source Code

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. Source Code

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.