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**

WORK EXPERIENCE

Software Developer-Research | Illinois Institute of Technology | Chicago, IL   *July 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*
- 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**

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.

SKILLS & INTERESTS

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

ACADEMIC PROJECTS

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.