



EDUCATION

- **M.S. in Software Engineering** from **East Carolina University** *Aug'16 - May'18 (Expected)*
- **B.Tech. in Computer Science** from **Sharda University, Greater Noida** *Aug'12- May'16*

RELEVANT COURSEWORK

Mobile Computing | Analysis of algorithms | Software Architecture | Software Construction | Software Testing | Software Verification and Validation | Machine Learning

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, Java, JavaScript, HTML5
- **Frameworks:** Bootstrap, CSS, NodeJS, JQuery, AngularJs, ReactJs, ExpressJs, Spring, Spring-Boot, RESTful
- **Databases:** MySQL, Firebase, MongoDB, Hibernate
- **Tools/Libraries:** Git, NetBeans, Android Studio, Gradle, Maven, RStudio, Adobe suit, SharePoint, NumPy, pandas, D3.js

INDUSTRY EXPERIENCE

- **Relevant Experience at East Carolina University** *Jan'17 – May '18*
 - Worked in Department of Computer Science/Construction department as an Technical Assistant, helping and maintaining their web application.
 - Gathered the requirement and helping in research for training/testing AI models in Construction department
 - Worked on converting the Class materials into Application related format using R Markdown
 - Created a Login system for their application using NodeJS framework and MongoDB database.
 - Worked with Tech support team to debug and resolve daily ongoing Issues.
- **Software Engineering Intern at Diesel Modernisation Works** *June'15 – Aug '15*
 - Worked in Electrical-Computer Science Research Department on monitoring and handling microprocessor controls for various Micro-processor operated machines.
 - Worked on one of the module of Medha Software for monitoring the simulation of microcontrollers.
 - Involved in improving the web UI using JavaScript, JQuery, HTML, CSS.
 - Actively participated in daily SCRUM meetings to produce quality deliverables within time.

PROJECTS | <https://github.com/Rajatsingh94>

- **ImageClassifier | Android, ReactNative, Python** *(Ongoing) Feb '18*
 - An Android Application which is capable of classify images based on TensorFlow Image Classifier data and would be able to distinguish between different object and classify them. Uses machine learning Api and TensorFlow library.
- **InCart Book Library | React, NodeJS** *Jan'18*
 - An Ecommerce Single-Page React based application for book shopping, capable of adding new book and managing cart, uses Redux for state management, MongoDB as a database, build own Api using Nodejs/Express
- **Movie Recommendation System | Python** *Jan'17*
 - An Recommendation system implemented in python, uses content-based filtering, collaborative filtering, latent factor methods, uses Movielens as dataset and pandas library for reading/managing data.
- **Android Crime Report Application | Android/Java** *Nov'17*
 - An MVC based Android application in which user can report crime at current position, date and time and data can be retrieve as an JSON format, uses Fragment as an UI, firebase as a backend service and uses all android basic functionalities (ListView, RecyclerView, Calendar API, and Google Maps API).
- **Spring/Hibernate Web Application | Java** *Oct'17*
 - An MVC java web application which uses Spring MVC framework and Hibernate ORM and thymeleaf template as an View for user Interface in which user can upload and categories images and gif based on various categories.
- **Scoreboard Application | React** *Aug'16*
 - An ReactJS based Scoreboard application which allow user to add, update and delete player and stopwatch to calculate time, uses React Router Concepts and Redux library to manage application state.
- **Web Portal Application | PHP** *Sept'16*
 - An PHP MVC based web portal which allow student to register, upload and view assignment, allow admin to maintain all administrative work, uses MYSQL as a backend service.