SAURABH S. RANA

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EDUCATION

University of Florida, Gainesville, FL
- **Major:** Computer Science, Master of Science (M.S.), GPA: 3.26   Jan 2016 – May 2017
- **Coursework:** Analysis of Algorithm, Operating Systems, Computer Networks, Advanced Data Structure, DBMS

Jaypee Institute of Information Technology, Noida, India
- **Major:** Computer Science, Bachelors of Technology (B.Tech), GPA: 8.2/10,   Aug 2011 – June 2015

WORK EXPERIENCE

DDC Public Affairs, Software Developer, *Washington, D.C.*   August 2017– Present
- Developed a website(orangevoice.com) for Home Depot's biggest campaign ever that generated ~15k sign ups to lower the tax rates and increase wages for the employees and associates.
- Helped re-architect legacy system to modern React app, working with backend services team and UX designers to create an intuitive and responsive UI.
- Created a web application that uses Jade(now PUG) template engine in Node.js using Express.js. that automates the process of reading error logs for our production sites.
- Lead the migration of 200+ websites from centralized version control system(CVS) to distributed Git.
- Achieved Single-Sign-On (SSO) for user authentication via any identity provider that offers SAML authentication.
- Converted photoshop designs into HTML/SASS/JQuery/Javascript for American Petroleum Institute's campaign which provides deep linking to their existing sites.
- Expanded Wordpress PHP codebase by designing and developing reusable layouts utilizing PHP/SASS/jQuery.

WORK PROJECTS

Middle Class Project, Power Past Politics, Nationwide Low Rates, Home Depot

SOFTWARE PROJECTS

- **Meow!** (MongoDB, ExpressJS, Angular, NodeJS, Bcrypt.js)
  Demo: https://mittens-meow.herokuapp.com
  A minimalistic social networking web application like Twitter with CRUD functionalities for tweets which are stored in MongoDB. User session is maintained using JSON web tokens and login passwords are hashed using Bcrypt.js.
- **React Movie Search** (React, jQuery, Movie DB API)
  Demo: http://www.saurabhrana.com/react
  A responsive React app that fetches movie data from The Movie Database API on demand. It is capable of search functionality with many more features to be added in the future.
- **Angular Quiz Application** (Angular)
  Demo: http://www.saurabhrana.com/angular
  A responsive single page quiz application (SPA) which injects celebrities data (JSON) into views. It uses various services and directives of Angular to create a smooth and robust quiz experience. The site is also capable of real time search functionality.
- **Express Music** (ExpressJS, EJS, AJAX)
  Demo: https://express-music.herokuapp.com
  A blog for music bands which uses API routes defined by ExpressJS and client side templating via EJS. It also inhabits a real-time comment functionality which utilizes AJAX on feedback page.

SKILLS

- Programming Languages / Libraries – C/C++, React, JavaScript, NodeJS, ExpressJS, SASS
- Database Systems, APIs, Tools – Git, JIRA, MySQL, MongoDB, SourceTree, Socket.io, Bcrypt.js, p5.js, JSON data and RESTful services.