

Daksh Gautam

daksh.gautam6@gmail.com | www.dakshgautam.com | [github://dakshgautam1](https://github.com/dakshgautam1) | 352-300-7433

EDUCATION

University Of Florida - 3.89/4

Master of Science in Computer Science

Gainesville, FL

Jan. 2018 - Dec. 2019

Jaypee Institute Of Information Technology - 7.7/10

Bachelor of Technology in Computer Science and Engineering

Noida, India

Aug. 2013 - May. 2017

KEY SKILLS

Backend - Java, Javascript (Express Js, Node Js), Python (Django, Flask), C, REST, Database Architecture Design, API Modelling, API Documentation using Swagger, API and Query Profiling

Frontend - Javascript, React Js, Redux, Webpack, Gulp, Responsive Design using Flexbox, SVG animations

Process and Tools - Source Code Version Control using GIT, Process Management using JIRA, Scrum and Agile development methodologies

EXPERIENCE

- **TECHNICAL ANALYST** (*HashedIn Technologies, Bengaluru*) *Feb 2017- Nov 2017*
 - ❖ **Fluid Delta [Client Project]** - *Asset inspection management system for sewer pipelines in the US.*
 - React Server Side Integration with Django. Creating an optimized intermix of Client Side and Server Side Rendered Components for faster page loads.
 - Took ownership of backend (API Design and Development, Django Forms) as well as frontend (Reusable Components, State Management).
 - Role-based permissions and workflow management using Django-FSM.
 - Database Design, Code Reviews, Client Management, UX wireframes and Collaboration with design teams.
 - ❖ **SQueueLy [Open Source Project]** - *Tool for authoring and visualization of reporting APIs by writing templated SQL.*
 - 500+ stars on Github.
 - Implemented scheduled reports functionality. Integrated Moment.js to perform validations. Customized Django admin to embed templates.
 - Auto-generated customized Swagger API Documentation by tweaking "swagger-ui" library.
 - Wrote backend test cases and improved code coverage.
- **SOFTWARE ENGINEER INTERN** (*Supplified Technologies, New Delhi*) *Dec 2015 - Jan 2016*
 - ❖ Implemented REST APIs (Django) endpoints for USSD Application.
 - ❖ Wrote python scripts for data entry team to highlight the missing data instantly thus eliminating the cycle of correction and upload, and therefore improving the efficiency.

PROJECTS

- **THE US IN NUMBERS** [*Express, Javascript, Oracle 11g, Gulp*]
 - A database project based on Weather vs. Pollution vs. Wildfires Kaggle dataset (July 2014 - Dec 2016) of major US cities. The project aimed to find a correlation between events like Wildfires and various aspects of Weather (Humidity, Temperature, Wind Speed) and Pollutants (SO₂, NO₂, CO).
 - Setting up Gulp to boost the development process. Coded reusable modules in Express Js.
 - Integrated HighCharts into the project. Coded Intelligent Voice Communication Module using wit.ai.
- **JOB SCHEDULER** [*Java*]
 - Mocking Operating System's internal Job Scheduler.
 - Implemented Red-Black Trees, Priority Queues and other data structures from scratch. Analyzing algorithmic time complexities on large datasets.
- **FORMALYSIS (personal)** [*Express, React, MongoDB, Webpack, Heroku*]
 - A web service to create and collect custom surveys via email.
 - Setting up Express and React for production and development environment by configuring Webpack.
 - Integrated Social Authentication using Passport Js. Integrated Payment Gateway via Stripe. Used SendGrid to trigger bulk emails & track responses.
- **PROBLEM CLASSIFIER (personal)** [*React, Redux, Django Rest Framework, Postgres*]
 - A personal utility that keeps track of programming problems and learning resources encountered every day.
 - Features include Flashcards, Quick revision, Long Term Repetitive Revision, Quick Search based on various aspects and Maintaining History of Solutions.
 - Database Design, Coded standalone REST APIs (DRF) to interact with frontend, Coded Reusable Components using React, Integrated Redux for State Management.
- **HOME AUTOMATION SYSTEM** [*Flask, Raspberry Pi, JQuery*]
 - Control home appliances, receive doorbell notifications, track humidity and temperature to prevent fires through Raspberry Pi over the internet.
 - Coded REST APIs in Flask for Android App. Implemented python scripts to monitor doorbell occurrence.