Prateek Keerthi

pkeer001@odu.edu | +1-(757) 515-5913 | https://github.com/Keerthiprateek7 | https://www.linkedin.com/in/prateekkeerthi

Career Objective

Results-oriented Computer Science graduate, with experience in software development skills, aiming to solve complex problems and develop business models driven by technology.

Education

Masters in Computer Science, Old Dominion University (ODU), CGPA: 3.8/4 **Aug '18 - May '20**
Bachelor of Technology in Computer Science, GITAM University, CGPA: 3.6/4 **Jul '14 - May '18**

Technical Skills

Languages/ Tools: C++, JAVA, Python, GIT, Google Firebase, AWS, Tableau, OpenRefine
Web Technologies: React, Redux, React-Thunk, React-Hooks, Node.js, Express.js, Rest API, PHP, D3.js, JavaScript, HTML, CSS, Bootstrap, Ajax, jQuery, Flask, Jinja2, BeautifulSoap, Mocha and Chai
Java Frameworks: Core Java, Spring, Hibernate, JPA, Spring MVC, Spring Security, Spring WebServices, AOP
Databases & Servers: Firestore, PostgreSQL, MySQL, MongoDB, Mongoose, Xampp

Work Experience

Project Scientist, Virginia Modelling Analysis and Simulation Center **Aug '20 – Present**

- Working as a Full-Stack Developer on multiple Research and Development projects. Most projects involved working with: *React, Nodejs, Firebase, PostgreSQL, Elasticsearch, AWS, Docker, Mocha and Chai.*
- Currently developing a progressive web application which has React.js for frontend and Node.js, Express.js for backend. This application involves developing of Express.js APIs and deploying them to firebase functions, loading and retrieving of time series data from PostgreSQL, Geo Firestore queries and Google APIs for navigation on React-Leaflet maps, a search functionality with Elasticsearch, Testing of APIs using Mocha and Chai.

Web Developer, Information Technology and Services, Old Dominion University **Jan '19 - May '20**

GrammarCat

- Developed a Grammar Teaching Web Application for ODU English Department. Key functionalities included separating portals for admin and users, providing individual scores, dashboards for tracking individual progress to see which words students struggle the most. As this application is concentrated on students, I have designed an interactive interface to accommodate student interaction which included the pick and drop of words and points assignment by number of attempts to guess correct answer. *Tech Stack: PHP, Bootstrap, CSS, jQuery, AJAX, JavaScript, MySQL*.

Transfer Equivalency

- Created an application for the ODU Admission Department for the students who needed to transfer their credits from another university to ODU. Worked in agile environment followed the guidelines given by different departments in equating the credits for the transfer. *Tech Stack: PHP, Bootstrap, CSS, jQuery, AJAX, JavaScript, MySQL.*

Graduate Assistant, Old Dominion University **Aug '18 - Dec '18**

- Graded 300 level course on how to solve complex problems using C++ and assigned projects to students and provided guidance. Collaborated with faculty at weekly meeting and delivered updates about the students' progress.

Software Developer Intern, CFBT, India **May '17 - Dec '17**

- Led a team of three interns to develop a Java application to assess the standards of schools based on the data given by CFBT reviewers. Which involved different portals, converting data to required format, storing data for future review, and dashboard to display the data through visualizations, which is used to keep the track of school's developments.

Major Projects

Customer Relation Management

- Implemented a web application to keep track of customers by saving the customer's information in the database. Used application to search and retrieve, add, update, and delete customer information. Provided role-based authentication for the portals using Spring Security. *Tech Stack: Spring MVC, Spring RestServices, Spring Security, Hibernate, JSP, HTML, CSS, MySQL, Workbench.*

TechConnector

- Developed a social network app for software developers using **RESTful API** in MERN stack which includes authentication of users, dashboard, profiles, forum post and various features which are widely found in other platforms. *Tech Stack: React, Redux, React-thunk, MongoDB, Express, Node.js, Axios.*