

BONDALAPATI RAMYA

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Computer science graduate student/research assistant actively looking for opportunities in an organization where I can apply for a full stack web developer to solve complex problems and develop business models driven by technology.

EDUCATION

Old Dominion University, Graduating in May 2021, M.S. in Computer Science.

CGPA:3.91

V.R. Siddhartha Engineering College, 2015-2019, B.E. in Electronics, and Communication Engineering.

TECHNICAL SKILLS

Programming Languages: C, python, Java Script.

Web Technologies: PHP, HTML5, CSS3, JSON, XML, Bootstrap, React

Databases: MySQL, Mongo DB, Maria DB.

Frameworks and Libraries: NumPy, Pandas, Matplotlib, Django, sci-kit-learn, Seaborn.

Tools and Platforms: AWS, Microsoft Visual Studio Code, GIT.

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, ODURF, Old Dominion University.

(April 2020-Present)

Emerald VSGC: Developed Multiple websites from one Django project.

- 1) Developed a website (<https://vsgcapps.odu.edu/>) using python and Django, where the user will fill the Application form and select a design area. And admin can either approve or reject the application. Suppose the application is approved based on the design area chosen by the applicant, in that case, the evaluator can view and evaluate the application, and the submitted applications are only accessible to panel members. I have worked with AWS and server configuration for deployment.
- 2) Developed a website (<https://vsgcapps.odu.edu/acrpsite/acrp>) using python and Django. So, Here The user should submit the application form with a unique character ID. However, the user can save the application and submit it later by entering the unique character ID, Then the user gets the previously filled application form. Instead, the user can also submit the application form by entering all the required fields. Based on what email the user gave for the recommendation. A mail will be sent to that particular email with a form to recommend the user. And admin can either approve or reject the application. If the application is approved, the evaluator can view and evaluate the application. However, the admin can permit the evaluator to review and submit the application again if there is any issue after evaluation. And admin can also send a reminder to only particular emails who haven't yet filled the recommendation form for the user.

Graduate Research Assistant, Information Technologies Services, Old Dominion University.

(Aug 2019-April 2020)

Transfer Equivalency: Developed a website for students to transfer from other universities to ODU.

Research Foundation Website: Developed a new User Interface for a website using WordPress and its plugins.

GRADUATE EXPERIENCE

🔍 **Digital Library Search Engine Web Programming:** My project is to build a image search engine website to input text queries and obtain search results using Django. The user must first register and login to the account to view the webpage. The user can see the search history and can save the search results to favorites which can be seen in user profile. However the user can also delete the items from the favorite list.

🎯 **Pubg Final Placement Prediction | Data Science:** Performed Data Pre-Processing, Exploratory Data Analysis, Prediction using Algorithms. Given previous players' statistical data during each match and ranking information in training data, we need to train a model to predict the player's ranking in the testing set based on their statistical data during each match. The target label ranking will

be a percentage value between 0 and 1; the higher percentage indicates a higher order in that match. I predicted the winplaceprec through linear regression. The accuracy of this model is 83%.

🔗 Book Rating Prediction and Recommender System: I developed a Machine Learning data model on the Kaggle Dataset “GoodreadsBooks” which is a social cataloging website which allows users to search books, annotations, and reviews, ratings. I aim to predict an average rating for books. Firstly, I begin with data collection and understand prominently the features and its necessary information such as type. Based on the columns, I would check if there is any possibility to preprocess the data and perform data cleaning. I would imply exploratory data techniques and get an analysis of feature correlation with target features. I would use different plots as necessary to perform Data visualization for data analysis. Based on the analysis, I developed a Machine Learning model that will predict the average rating of books.

AWARDS AND INTERESTS

- Completed INTERNSHIP on NI Lab VIEW-CLAD Training program from 04.16.2018 to 05.12.2018.
- Completed INTERNSHIP in Bharat Sanchar Nigam Limited (BSNL) on mobile computing and networking.
- Cultural Secretary in ISA (Indian Student Association) Board at Old Dominion University.
- Participated in Two days IEEE Workshop on "LATEST TRENDS IN WIRELES COMMUNICATIONS" on 24-25 March 2017.
- Participated in a world space week event conducted by ISRO at V.R. Siddhartha Engineering College.
- Secured Second prize in Paper Presentation on “Real-time networking and communications” during Esparx held at Jawaharlal Nehru Technological University, Kakinada, India.
- Won Third prize in Hackathon 2017 conducted by Z NATION LAB for proposing and implementing a new business solution.