KESHAB ACHARYA

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SOFTWARE DEVELOPER

A skilled developer with 4 years of commercial and academic experience with knowledge in many different software development methods. Implemented various projects involving database implementation, data structures, data analytics, and front/back-end web development. Deep familiarity with Object Oriented Programming. Multilingual with excellent focus, communication skills, and the ability to learn quickly and work efficiently. Excels working in a team environment with strong critical analysis and problem-solving and able to adjust quickly to any working environment.

EDUCATION

Bachelor of Science in Computer Science | Minor in Astronomy
University of Maryland – College Park | (2016-2020) | Dean's List (Fall 2020)

EXPERIENCE & COURSEWORK

Data and Cloud Computing Society (DCCS) | University of MD | Fall 2019- Fall 2020
- Created a MySQL database with RDS using Amazon RDS, created a Linux EC2 instance and configured the RDS database. Deployed WordPress site using RDS and EC2.

Spatial and Multidimensional Data Structures (Java) | Summer 2020
- Implemented various projects involving properties and storage allocation functions of data structures including balanced binary trees, queues, AVL trees, B-Trees, hash tables, KD-Trees and Quad Trees.
  Github:https://github.com/keshab101/CMSC420-Advanced-Data-Structures
  Technologies Used: Java, JEE, Eclipse, Debugger, J-Unit Testing

Programming Handheld Systems (Kotlin) | Kotlin
- Designed and implemented applications for android devices with focus on the mobile environment and worked on group projects to build apps that emphasize world problems.

REVELENT PROJECTS

- **Slackr |** (2020) – implemented an android app that lets students create and find study groups; created a database to store and organize student groups. **GitHub**: link to project's GitHub
  Technologies Used: Android Studio, Kotlin, HTML, Google Firebase

- **Data Visualization and Analysis of Covid-19 |** (2020) - Used famous python libraries to create visual analysis of the impact of Covid-19 around the world through concepts of data-scraping, manipulation, graphs, and machine learning. **GitHub**: https://keshab101.github.io/
  Technologies Used: Python, Jupyter Notebook, Docker, VS code

- **Phonebook |** (2020) – implemented an abstraction over phonebook; a collection of pairs of type [name, number] using hash tables with object-oriented design.
  Technologies Used: Java, Eclipse, J-Unit Testing, Debugger

- **Calculator |** (2020) – a simple web calculator app designed and implemented in React JS.
  Technologies Used: VS Code, JavaScript, React, MongoDB, HTML, CSS, Express

- **Personal Portfolio (2020)** – Developed and Practiced my skills on front-end applications to build a responsive web-portfolio which further enlists all my skills, projects, and coursework.
  Technologies Used: HMTL, CSS, JavaScript, Bootstrap, NodeJS | acharyakeshab.com

TECHNICAL SKILLS

Programming Languages: Java, C, Python, JavaScript, Kotlin, Ruby, SQL
Web: HTML5, CSS3, JSP, jQuery, JSON, React, Bootstrap, Express
Web Services: REST, MongoDB, Google Firebase, RESTful, Django
OS/ Software Tools: Windows, Unix, OS, Eclipse, VS-code, Android Studio, Jupyter Notebook, postGRE SQL**,** Docker, MATLAB, Gitlab, GitHub
Advanced Data Structures: B-Tree, AVL-Tree, PR Quad-tree, HashTable, Tries, Queues