SPOORTHI BASU

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GitHub: https://github.com/spoorthibasu
Portfolio: https://spoorthibasu.github.io

TECHNICAL SKILLS

- **Languages**: Java | Python | C | C++
- **Databases**: MySQL | Oracle 10g
- **Web**: React.js | JavaScript | Node.js | REST | HTML5 | CSS3 | jQuery | AJAX | JSP Servlets | Bootstrap
- **Frameworks and Tools**: AWS | React JS | Spring Boot | Git | Docker | STS | GitHub Desktop |
- **Functional**: Data Structures and Algorithms | Object Oriented Methodologies | Multithreading | Agile Development | SDLC | MVC | TDD | CI/CD | Relational Databases | SCRUM |

EXPERIENCE

Software Engineer, Coding Minds, Inc.   July 2020 - Present

- Design and develop a Full-Stack web project named sharemyworks, an academic management system using **Agile (SCRUM)**
- Experience in developing Restful service using **Spring Boot** and perform **CRUD** operation on **MySQL** database
- Implementation of UI component using **React.js, CSS, HTML**
- Hands on experience with **Core Java concepts such as OOP concepts. Collections Framework, Exception Handling, I/O System, Multithreading, Generics and Java8 features in developing the code like Lambda expression, Stream API, Optional Class**
- **Continuous Integration and Continuous Deployment** using tools like **GitHub Desktop** for version control and **Maven** for build automation, **Heroku** for deployment, and **Basecamp** for tracking tasks and communicate with team
- Using **Swagger** to test working of API and using **timber.io logging** to test the functioning of application

Software Engineer, Office of Graduate Studies, Cal Poly Pomona   February 2019 – May 2020
https://www.cpp.edu/~gradstudies/

- Contributed to design and development of Cal Poly Pomona Graduate website accessed **using Java, PHP, JavaScript, and CSS**, resulting in ~50% increase in website views
- Created mockups for potential sites with Adobe Illustrator

Software Engineer, Academic Programs, Cal Poly Pomona   June 2019 – August 2019
https://www.cpp.edu/~assessment/index.shtml

- Designed and developed from scratch, a cross-browser compliant Academic Programs website, employing mastery of **Java, JavaScript, PHP, CSS, HTML and Bootstrap 3** framework
- Applied version control software (**Git**) to track and test source code

EDUCATION

California State Polytechnic University, Pomona, CA, USA   August 2018 - May 2020
Master of Science in Computer Science, **GPA: 3.66**

Dr. Ambedkar Institute of Technology, India   August 2014 - June 2018
Bachelor of Engineering in Computer Science and Engineering, **GPA: 4.0**

PROJECTS

Automated Clinical System for General Check-ups web application   Fall 2019 – Spring 2020
https://github.com/spoorthibasu/Automated-Clinical-System-for-General-Check-ups

- Conceptualized, designed, developed and deployed a website on **AWS** for a clinic, which enabled the patients to view doctors near-by based on their pin code and take appointments, developed using **Java** for the back end and **JavaScript, PHP, HTML, CSS, JSP** for the front end.
- Established connection to **MySQL** through **JDBC**, which was used to store the doctor and patient records

Machine Learning – Celeb A Dataset, Hair and Skin Segmentation Analysis (Kaggle Competition)   Spring 2019
https://github.com/spoorthibasu/Hair-and-Skin-Segmentation

- Developed deep autoencoder using U-NET model for hair and skin segmentation using **Keras**
- Tested the U-NET model on **Celeb-A dataset**
- Practised data augmentation and transfer learning on the built model
- Used libraries such as **keras, numpy, sklearn**