

VALLARI RAJURKAR

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EDUCATION

California State University, Fullerton, CA

Master of Science, Computer Science

Expected Graduation: May 2024

GPA: 3.78 / 4.0

Coursework: Advanced Algorithms, Adv. Database Management, Artificial Intelligence, Artificial neural network, Software design and architecture, Web backend engineering

MKSSS's Cummins College of Engineering for Women, Savitribai, India

Bachelor of Engineering Technology (B.Tech.) (Comp Eng.)

December 2022

CGPA: 8.7 / 10.0

Coursework: Data Structures, Design and analysis of Algorithms, Natural language processing, Project management, Machine Learning, Android development, Object oriented programming in Java, Software Engineering, Applied statistics with R programming

TECHNICAL SKILLS

- Programming languages: Java, Python, GO, C, Reactjs, Django, Mysql, Mongo DB, HTML, CSS, Javascript
- Database: MySQL, MongoDB, PL/SQL, Firebase
- Result oriented and self-driven approach, with high quality deliverables.

PROJECTS

Differential privacy on Genomic datasets ' (IBM sponsored)

September 2021 - May 2022

- Developed a web portal to explain differential privacy to general users through illustrations with chat-bots, carousels in React Bootstrap and latest newsfeed fetched through NEWS Api.
- Visualized health dataset over 22000 records; analyzed effect before and after applying differential privacy.
- Evaluated results by manipulating epsilon, a tradeoff parameter between privacy and accuracy.
- Predicted patient's disease subclass from among 7 disease types by leveraging traditional sklearn and IBM's diffprivlib library and compared predictions.
- Technologies : Reactjs, Django and NoSql - MongoDB to store data shared by data contributors

Seminar on Music generation and prediction using LSTM'

January 2021 - May 2021

- Studied composition of melodious notes of music using recurrent neural networks and long short term memory algorithm.

Tiffin delivery system

June 2020 - September 2020

- Devised a customer provider interface to organize orders by consumers to different tiffin providers.
- Added a feedback mechanism for customers to rate tiffin providers.
- Designed website using Java, HTML, Javascript, MySQL

Washing center management

October 2019 - December 2019

- Managed different orders to wash clothes and dryers in machines of 3,5 and 7kg capacities in a washing center.
- Implemented a linked list of priority queues for each machine in CPP and tested on 15 washers and 10 dryers.

EXPERIENCE

PROVIDENCE Health Care Global Centre

Hyderabad, India

Software Developer Intern

June 2021 - July 2021

- Created PGC Hub - A centralized hub for caregivers in Providence India
- Featured quick links to frequently visited pages, 'Praise' (give recognition to employees) and 'Who' (Know more about an employee)
- Managed with technologies such as ReactJs, Microsoft Azure , SQLdb, C#

Saaraja Institute of Computer Studies

Pune, India

Teacher

May 2020 - July 2020

- Taught programming languages - Java, Python, database management system, and data structures to students

ACHIEVEMENTS

- 2nd Runners up in International Project competition held by Pune Institute of Technology in 2021
- 1st Runners up in intra college hackathon arranged by Cummins college sponsored by IBM in 2022
- Consolation prize in state level project competition arranged by Cummins college of Engineering, Pune in 2022
- 2nd prize in a coding contest in Cummins college Techfest