

Saisri Vishwanath

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EDUCATION

Syracuse University - College of Engineering & Computer Science, Syracuse, NY

January 2023 - December 2024

Master of Science in Computer and Information Sciences

PES University - School of Electronics and Communication, Bangalore, Karnataka

August 2017 - May 2021

Bachelor's of Technology in Electronics and Communication Engineering (CGPA: 8.94/10)

Major in Electronics and Communication and Minor in Computer Science

- Related Coursework: Data Structures and Algorithms, Database Management Systems, Operating Systems, Object-Oriented Programming, Web Development, Machine Learning/Artificial Intelligence, Cryptography

EXPERIENCE

Cloud Analyst, Oracle India – Bangalore, Karnataka

July 2021 - December 2022

- Implemented Oracle products and technology in various industries by delivering innovative and scalable cloud solutions to Oracle customers
- Devised a user-friendly cloud interface by writing scripts and programs with SQL, fast formula, and oracle database
- Developed SQL reports, SOAP, and REST APIs for data migration process. To upgrade and maintain application to make sure it was up to date
- Developed customizations including custom workflows, reports, interface to Oracle Cloud application based on client's requirements
- Led onboarding drive and training sessions of 40+ new hires

Engineering Intern, Publicis Sapient – Bangalore, Karnataka

January 2021 - June 2021

- Built an user-friendly, responsive e-commerce web interface for Fiat Chrysler Automobiles by writing HTML, CSS, Javascript code and front-end framework React
- Designed following SEO best practices and test code to ensure web user interface is 100% bug free and is compatible with different web browsers and devices, including desktops, laptops, tablets and mobile phones
- Analyzed requirements, problems and solved with best solution to build reusable components and libraries to maintain technical practicability by leveraging code versioning tools, such as Git
- Improved web pages speed and performance by implementing responsive design and optimizing code
- Operated in an Agile development methodologies JIRA and collaborative environment to receive design requirements, and peer program

PROJECT EXPERIENCE

Brain Controlled Interface for Controlling Robotic Arm

August 2020 - April 2021

- Design a brain-controlled robotic arm prototype operating Artificial Neural Network (ANN) to aid paralyzed patients day-to-day activities with an accuracy of 71%
- Achieved by preprocessing brain signals to get a noise-free signal and then classifying signal with ANN in python

Acute Infarct Location Detection

January 2020 - May 2020

- Devised a model to automatically detect and classify different types of infarct based on medical imaging data such as MRI from stroke patients utilizing Deep Learning Algorithm with an accuracy of 45%
- Achieved by data preprocessing, training the Convolutional Neural Network(CNN) by applying data, and fine tuning in python. Output MRI images into classes where each class indicates region of acute infarct

Meethings application

August 2019 - December 2019

- Designed a meetings application to allow users to create, view, leave, and filter all meetings and teams leveraging HTML, CSS and Javascript
- Programmed a full-fledged website for both mobile and desktop views using bootstrap and sass styling libraries, ajax requests to fetch data from backend, MVC architecture page structuring, and unit testing using web pack

TECHNICAL SKILLS

- Programming Languages: Python | C | Java | HTML5 | CSS3 | JavaScript | Matlab
- Frameworks and libraries: React JS | jQuery | Node JS | Bootstrap | Rest APIs | Keras | Pandas | NumPy | Scikit Learn | Matplotlib
- Databases and Cloud: Oracle Cloud | MySQL
- Tools and Platforms: Eclipse IDE | Postman | Oracle Apex | Visual Studio Code | Jira | Git