

Samruddhi Somwanshi

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EDUCATION

San Diego State University

Aug 2022 - May 2024

Master of Science in Computer Science

San Diego, CA, USA

Relevant Coursework: Algorithms Design and Analysis, Modern Web Development Frameworks, Machine Learning

MKSSS's Cummins College of Engineering for Women

Aug 2018 - May 2022

Bachelor of Technology in Computer Engineering - **GPA 8.5/10**

Pune, India

Relevant Coursework: Object-Oriented Programming, Operating Systems, Software Design and Architecture, Database Management System, Data Structures, Statistics for Computer Science, Big Data and Analytics

TECHNICAL SKILLS

Programming Languages and technologies: C++, Java, Python, JavaScript, HTML, CSS, C, Git

Databases: SQL, MongoDB, PL/SQL, PostgreSQL

Frameworks: ReactJS, Bootstrap, NodeJS, Pandas, NumPy, Scikit-learn, Matplotlib

Developer Tools: Eclipse, Visual Studio Code, Atom, Android Studio, Jupyter Notebook, PyCharm, Power BI

EXPERIENCE

TEIM (The Entrepreneur In Me)

Nov 2021 - Jul 2022

Data Science Intern | *Python, SQL, Power BI*

Pune, India

- Analyzed the past energy generation data of the wind turbine generator to deduce a trend.
- Fitted, evaluated, and made predictions with the - **Random Forest** regression model for **time series forecasting**; to predict the amount of energy that will be generated by the wind turbine generator in the coming time.
- Forecasted the undesirable breakdowns due to various factors (grid failure, scheduled maintenance, unscheduled maintenance, gearbox failure, etc.) to reduce the loss by applying preventive measures.
- Combined and converted multiple DGR with different data formats to a single unified SQL database for the ease of **analyzing and forecasting**. Created a **Power BI Dashboard** to display the forecasted energy and breakdown data.

Dell Technologies

Jun 2021 - Jul 2021

Software Development Engineer (SDE) Intern | *Agile Methodology, MVC, SQL*

Hyderabad, India

- Completed a project related to the **Supply Chain domain** in agile methodology; focusing on creating a logistics application that tracks the order shipment process with Carriers and 3rd party Logistics providers.
- Built robust web application in **Model-View-Controller** pattern using .net, SQL (Toad for Oracle).
- Optimized the Error ID fetch operation** of any crash captured in BPEL (Business Process Execution Language).
- Integrated the system with interface to increase ease of use; leading to an **80% reduction** of weekly manual tasks.

Project42 Labs

Aug 2020 - Sep 2020

Web Development Intern | *Figma, HTML, JavaScript, CSS, Bootstrap, MongoDB*

Noida, India

- Designed the website's** Graphical User Interface in line with company branding policy using the tool - Figma.
- Worked on **front-end technologies** (HTML, JavaScript, CSS), Bootstrap framework, and MongoDB database.
- Ensured that the code meets industry standards, is well structured, valid, and compatible with browsers and OS.

PROJECTS

Bug Tracker for error management

- Quality assurance project which implements both frontend and backend (made with PERN + TS).
- Project members can add, edit, close & reopen bugs, and can sort projects/bugs by various parameters like a priority, recently closed, etc. Error management is done with descriptive messages.

Sales Data Analysis

- Used Python Pandas & Python Matplotlib to analyze and answer business questions about 12 months' worth of sales data. The data contains hundreds of thousands of electronics store purchases broken down by month, product type, cost, purchase address, etc.

Social Media Website

- Used React, Node.js, Express & MongoDB to build a Full Stack MERN Web Application.
- It is a social media app that implements CRUD functionality allowing users to post details about interesting events happening in their lives along with the images.