SHARATH PAI

FULL STACK DEVELOPER & ML ENGINEER

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Degree	Institute	Year	CPI/%
B.Tech (ECE)	D.J. Sanghvi College of Engineering	2020-2024	7.6
HSC	Patkar Varde College	2018-2020	83.23
SSC	Dr. S. Radhakrishnan Vidyalaya	2006-2018	90.80

PROFESSIONAL EXPERIENCE

Web Development Intern | Suvidha Foundation   Sep 2023 - Oct 2023

Awarded Letter of Recommendation for excellent performance during the internship period

- Working on a healthcare website project where people can monitor their health and book a doctor's appointment accordingly.
- It is a **MERN Stack** Website in which I followed the Node MVC Architecture to create and integrate the Frontend and Backend of the website.

TECHNICAL SKILLS

- **Programming:** C, JavaScript, R, Solidity, SQL
- **Development:** Bootstrap, ExpressJS, Handlebars, NodeJS, ReactJS
- **Design:** Figma, Illustrator, Photoshop, Wordpress
- **Tools:** Git, GitHub, MySQL, VSCode

PROJECTS

Healthcare App | MongoDB, ExpressJS, ReactJS, NodeJS   Ongoing
Suvidha Foundation, Nagpur   (Expected by Oct '23)

- Working on a healthcare app which allows the users to remotely monitor their health.
- I used **Node MVC Architecture** for organizing the Frontend and the Backend part.
- After checking their health, the users can book an appointment of doctor for which I used an **API** which provides the list of nearest avaliable doctors.

Science Mission Website | ExpressJS, Handlebars   Ongoing
Science Mission, Dallas, USA   (Expected by Mar '24)

- Creating a freelance website that contains several articles related to science along with the videos as remedy.
- Each article has its own category and the user can filter out the articles based on their choice of category.
- I am creating the **backend** routes using **ExpressJS** and using the **Handlebars** template engine for the **design**.

Blogpage | ExpressJS, Handlebars   Sep 2023
Self Project

- Created a blogpage in which showcase my written blogs.
- I am thinking of converting this website to a **dynamic website** in which the user can create and publish their own blogs in which the data can be dynamically passed through a database, preferrably Mongoose.

Swift UnderGrads Website | ReactJS   Jul 2023
Swift UnderGrads

- Developed a fully responsive **Frontend** educational website for our community which helps students in getting their desired study material.
- It is a static website and further I am planning to create a portal for various events conducted by the team and a **blockchain** powered **payment gateway** for secure transactions.

Analysis of House Price | R   Apr 2023
Self Project

- In the given dataset, we determine the relation of house price with other independent variables.
- The data from the dataset is preprocessed to remove outliers and impute missing variables, then we use **Regression algorithms** to determine the relation and obtain its mathematical equation.
- The dataset used here is **Boston Housing Dataset** which is available on Kaggle.

KEY COURSES UNDERTAKEN

Mathematics and Statistics

- Calculus, Probability and Random Processes, Basics of Statistics, Data Preprocessing for Regression Analysis, Regression Models, Classification Models, Support Vector Machines, Ensemble Techniques, Artificial Neural Networks

Computer Science

- Structured Programming Approach, Data Structures and Algorithms, Operating Systems, Computer Networks

* to be completed in Nov '19

POSITIONS OF RESPONSIBILITY

Founder & Tech Lead   Feb 2022 - Present
Swift UnderGrads

- A community running of telegram, we aim to help **MHT-CET aspirants** by guiding them regarding further admission process.
- I lead a team of 12 members, all belonging to different areas in Maharashtra. My job is to mentor aspirants and look after the social handles.
- We conduct various **webinars** to help students with their studies and make them clear about the admission process and further career opportunities. Till now we have helped **1000+** students in their journey.
- I also created a website which helps students to get their desired study materials.

Head of Public Relations & Social Media   Nov 2021 - Apr 2023
DJSCE IETE

Head of Graphics   Mar 2022 - Oct 2022
DJS eXpress

PUBLICATIONS

Audio Source Separation as applied to Vocals-Accompaniment Separation   Mar 2022
DJS Strike   ISBN: 978-93-5578-944-0

- The objective of this paper is to present a system for extracting the vocals from any track composed of vocals, instruments and computerized sound effects.
- The training dataset is composed of the tracks for the composite 'mix' and the accompanying vocals.
- The output audio is obtained by **postprocessing** this spectrogram using the inverse short-time **Fourier transform** amongst other techniques.

ACHIEVEMENTS & CERTIFICATIONS

- Runner Up in **DJS Strike** Innovative Project Development 2022 Competition.
- Finalist in Pixel Paranoia **UI/UX** Hackathon.
- Completed 30 Days of **Google Cloud**.
- Certification in 30 Days of **Solidity** Challenge.
- 5 stars in **Hackerrank C**.