Aayush Sawant

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Education

Masters in Science, Information Systems

Northeastern University, Boston, MA, United States   Expected May 2025

- Application Engineering Development, Web Design, Advance Big Data Applications, Program Structures and Algorithms.

BTECH in Electronics & Telecommunications Engg

College of Engineering, Pune, Maharashtra, India   July 2021

- Data Structures and Algorithm, Computer Networks, Information Theory Coding, Internet of Things

Work Experience

Software Engineer   August 2021 - August 2023

eQ Technologic, Pune, Maharashtra , India

- Selected as a developer in the UI team of Deployment Manager(eQubeDM), an eQ product.
- Designed, developed and took ownership of 10+ end to end UI modules.
- Designed and developed the complete flow of connector and customization tabs for user to attach different connectors and artifacts while deploying any product to improve user experience.
- Wrote a dynamic help pages mapper feature for DM contributing in better user experience.
- Led the POC on cypress testing for automating the test plan for the product. Later wrote a complete test suite for automating the testing for DM hence saving the manual efforts of the development team.
- Led a team of 3 developers to migrate all jQuery widgets to React based components for eQubeTM, an eQ product.
- Spearheaded a POC on creating and maintaining an internal documentation website using a tool called as docusaurus.
- Later delivered a completely functional internal documentation website increasing the productivity of every team member specially the new comers.
- Migrated all the lodash.js dependencies to underscore.js and handled all edge cases.

Technical Skills

Languages: C, Python, Java, Javascript, Typescript, Embedded C
Frameworks and Libraries: jQuery, React, Redux, Lodash, Underscore
Web development: HTML5, SCSS, CSS
Database: MySql
Version Control: SVN, Github, Git
Project Management: Easy Redmine

Academic Projects

Live Weather App   March 2023 - March 2023

- Developed a simple react based weather app that displays the weather according to the location entered in the search bar.
- Dynamically computes other weather based factors like humidity, visibility and windspeed along with temperature.
- Tech stack used: JavaScript, React, CS
- Link: https://aayushsweatherapp.netlify.app/

TODO App   April 2023 - April 2023

- Built a TODO application in react for users to add their tasks as TODOs.
- Provided functionality for editing and deleting the TODOs as well.
- Provided the functionality for marking the TODOs as done after completing

- Tech stack used: React, JavaScript, CSS.
- Deployed the application on github pages.
- Link:https://fluffyguy-prog.github.io/todoAppReact/

Design of Voice Operated Wireless Wheelchair model, College of Engineering, Pune August 2020 - May 2021
- Devised a wireless wheelchair model for people with upper and lower limb disabilities.
- Implemented arduino uno as a microcontroller and used bluetooth module to communicate between the controller and motor driver IC.
- Created an app for converting speech to text and deployed it in a mobile device for the user to communicate voice commands.
- Co-authored a research paper and got it published in IEEE Global Conference for Advancement in Technology (GCAT'21).
- https://ieeexplore.ieee.org/document/9587859/metrics#metrics

Dictionary attack algorithm, College of Engineering, Pune June 2018 - September 2018
- Applied the knowledge from the data structures algorithm classes to implement the dictionary attack algorithm.
- Listed all possible combinations of the password hence allowing the cracking of the password
- Tech stack used: C, Data structures

Dimension Measuring Prototype, College of Engineering, Pune June 2018 - August 2018
- Devised a system which measures physical dimensions of any 3D object.
- Utilized MSP-430 and ultrasonic sensor and wrote a program in c++ to calculate the dimensions of each side of the 3D object placed on the work station.

Portfolio Website June 2023 - Present
- Built a portfolio website using react and basic javascript.
- Included a navigation bar feature with multiple sections for About, Project and Tools, Blogs , Resume etc.
- Deployed the website on netlify.

Technical Training

Summer Intern June 2019 - July 2019

MTNL, Mumbai, Maharashtra
- Learned about the SDH and PDH systems.
- Worked in the optical fiber cable department.
- Helped with the daily work at the Network Operating System office of MTNL.

Volunteer Experience

Event's Head October 2018 - January 2019

COEP ZEST, Pune, India
- Organised 12+ sports events for College of Engineering, Pune's sports fest.
- Led a team of 17 volunteers for planning day to day events in all modules along with accommodation for all athletes.

Event Head

COEP MINDSPARK, Pune, India
- Organised a fandom based quiz during the tech festival of College of Engineering, Pune called as MINDSPARK.
- Managed over 250+ participants, question making of 10 different question sets for 3 days.
- Spearheaded a team of 3 to design and form variety of questions along with audio visual round.