

PAVITHRA SUBRAMANIAN

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EDUCATION

SASTRA University, Thanjavur

2020 - 2024

B.Tech Computer Science & Engineering. **CGPA:** 8.66

NSN Memorial Senior Secondary School, Chennai

2017 - 2020

HSC(CBSE) - 95.6% SSLC(CBSE) - 91.8%

EXPERIENCE

Bosch Global Software Technologies - Student Trainee

Jan. 2024 - May 2024 | Bangalore

- Created custom Power BI visuals from scratch, including organizational charts and tech radar chart, using the D3.js library to enhance data visualization.
- Researched and identified the most effective quality assurance tool. Completed training in React Native for mobile app development.

OPTUM Global Solutions India Private Limited - FSE Intern

Jun. 2023- Aug. 2023 | Noida

- Developed a FastAPI-based program, utilizing data from Salesforce and integrating MongoDB to streamline facility credentialing.
- Applied four fuzzy search algorithms to deliver top 10 recommendations when exact matches are not found.

iGEM Indian League - Web developer Intern

Apr. 2022 - Oct. 2022 | Remote

- Created a responsive website for iGEM's competition event, including the landing page using React.
- Collaborated with a senior developer to learn coding standards and improve proficiency in Tailwind and GitLab.

PROJECTS

Prediction of Chronic Kidney Disease (Tools: Python, HTML, Flask API, Smote)

Developed a predictive model for chronic kidney disease using patient data, employing seven classifier algorithms with and without feature selection, and integrating SMOTE for data balancing. Implemented an HTML and Flask API interface for input and result visualization.

Dear Diary (Tools: React, Tailwind CSS, Node, Express, MongoDB)

A secure web application developed by utilizing OTP authentication for enhanced security. Users can document daily entries, capture personal thoughts and experiences. The platform offers convenient customization of past journals and enables efficient date-based journal searching.

Job Search App (Tools: React Native, Tailwind CSS)

The mobile App is designed to facilitate the exploration of popular and nearby job opportunities. Users can conveniently search for jobs using specific keywords, enhancing the search experience.

SKILLS

Languages: C, C++, HTML, CSS, Python, Javascript

Courses: Operating System, Computer Networks, DBMS

Technologies: Node.js, Express, Git, ReactJS, Tailwind, Bootstrap, MongoDB, MySQL, Flask, Fast API, Postman

Soft Skills: Team player, Multitasking, Active Listener, Problem-solving, Collaborative

ACHIEVEMENTS & EXTRACURRICULARS

- Part of Technical Clubs(Developer Community Sastra, GDSC, 300DPI,ACE) - Conducted workshops, organized competitions and built websites for college cultural events
- Academic Proficiency – Received a trophy from CBSE for being top in my department and third in school.
- Hacktoberfest - Participated in Open Source Contribution and received goodies.
- Certificates - launchpad program in PWC