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.

Online 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.

Kuruksastra Portal (Tools: React, MongoDB, Node.js)
Developed frontend interfaces for the annual cultural fest portal of SASTRA University. Designed and implemented user interfaces for administrative tasks and public relations desk functionalities. Ensured user-friendly and responsive designs to enhance overall user 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

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ACHIEVEMENTS & EXTRACURRICULARS

- Part of Technical Clubs(Developer Community Sastra, GDSC, 300DPI,ACE) - Organized and conducted **workshops with 100+ participants**, facilitated competitions, and developed websites for college cultural events.
- Academic Proficiency – Received a trophy from CBSE for securing **top in my department** and **school third.**
- Hacktoberfest - Participated in **Open Source Contribution** and received goodies.Certificates - launchpad program in PWC