SARTHAK VAIDYA

Jersey City, NJ | +1 5513447444 | svaidya5@stevens.edu | LinkedIn | GitHub | Portfolio

EDUCATION

Stevens Institute of Technology, Hoboken, NJ   September 2022 - May 2024
Master of Science in Computer Science   **Aggregate GPA: 3.85/4.0**
University of Pune, Pune, India   July 2015 - May 2019
Bachelor of Engineering in Mechanical Engineering   **Aggregate GPA: 3.7/4.0**

SKILLS

Programming Languages: Python, C/C++, JavaScript, Java, PHP(Laravel), PySpark, R, SQL, TypeScript
Web-Based Development: HTML, CSS, Bootstrap, jQuery, Node.js, Express.js, Spring Boot, React.js, Tailwind, WordPress, Handlebars, MongoDB, Flask
Testing: Postman, Junit, Pytest, Pylint, Code Coverage
Data Tools: MySQL, PostgreSQL, NumPy, Scikit-Learn, Pandas, Matplotlib, Databricks, Apache Spark
Developer Tools: Git, Docker, REST API, GCP, Jenkins**,** CircleCI, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Functional: Scrum, Agile, Waterfall, Big Data, JIRA, SDLC, Microsoft Office

PROFESSIONAL EXPERIENCE

Stevens Institute of Technology, Hoboken, NJ, USA   January 2024 - Present
Job Role: Teaching Assistant for Knowledge Discovery and Data Mining
- Strengthened proficiency in Data Analysis and Visualization using R and Python, while actively grading assignments and providing academic support for approximately 120 students, reinforcing subject knowledge.

Xcaliber Infotech Pvt Ltd, Pune, India   July 2021 - July 2022
Job Role: Software Developer
- Led the development of a rule-based reverse supply chain system for a prominent US telecom company. This system strategically determined the fate of mobile devices and accessories like earphones, including whether to be scrapped, refurbished for resale, or already fit for resale.
- Collaborated with a cross-functional team of 8 developers, 5 software testers, and 3 business analysts to develop and maintain multiple portals, leveraging HTML, CSS, JavaScript, jQuery, PHP (Laravel Framework), and Bootstrap for advanced frontend components, resulting in a 20% improvement in system usability.
- Pioneered front-end solutions, driving rule changes to the backend, and introducing new features, resulting in a 15% reduction in customer support issues. Employed PostgreSQL for data retrieval and testing, seamlessly incorporating backend APIs for a flawless user experience.
- Created 20 dynamic web pages catering to various functionalities, including device scanning, detailed device information display, condition assessment determining the mobile device's fate, and result pages improving system usability by 12%.
- Spearheaded a team of 2 developers in assimilating accessories into the rule-based system, amplifying its functionality to efficiently manage various accessories besides mobile devices and achieving a 10% cost reduction.

Thermax Pvt Ltd, Pune, India   December 2017 - January 2018
Job Role: Intern
- Utilized MATLAB programming for Finite Element Analysis to optimize boiler design, collaborating with Boilers & Heaters (B&H) and Task Force departments for successful project implementation, driving innovation and efficiency.

PROJECTS

Zip Social Meet App   **GitHub:** https://github.com/Sarthak15997/CS546-Final-Project
- Developed a cutting-edge Meeting app which facilitates seamless connections between individuals sharing common interests, such as favorite places to visit and preferred locations including universities, workplaces, and gyms.
- Implemented an innovative like and dislike feature, resulting in a 25% reduction in time spent searching for compatible profiles, enhancing user experience, and fostering more meaningful connections.
- Integrated a real-time chat feature, enabling matched users to engage in seamless communication and build meaningful relationships.
- Designed an intuitive unmatch option, granting users the flexibility to disengage from connections as desired, along with a convenient pause feature, allowing temporary profile deactivation while remaining registered on the app.

Gym Management System   **GitHub:** https://tinyurl.com/Gym-Management
- Created a gym application with several functionalities and roles such as member, trainer, and admin.
- Leveraged Spring Boot for backend development, implementing core functionalities such as user authentication, data storage, and business logic integration. Enhanced user experience by implementing online payment, user feedback, and other features.

GEDCOM Genealogy File Analysis Program   **GitHub:** https://github.com/chetan-plrch/SSW-555-Team-5
- Guided a 4-member team in developing a GEDCOM genealogy file analysis program using Python.
- Employed Agile methodologies, like Extreme Programming and Scrum, to ensure efficient development, resolving logical errors, and completing the project in four sprints, resulting in a robust and accurate analysis program.