Nagaram Pavan Kruthik

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Education

Stevens Institute Of Technology — Hoboken, NJ
Master of Science in Computer Science — *2022 – 2024*

Amrita School Of Engineering — Coimbatore, India
Bachelor of Technology in Computer Science and Engineering — *2018 – 2022*

Experience

General Electric - Gas Power — January 2022 – June 2022
Software Engineering Intern — *Bangalore, India*

- Worked as the core developer for the scheduling algorithm which creates service contracts for Turbines.
- Spearheaded the enhancement of the core scheduling algorithm for turbine service contracts, leveraging Java and Spring Boot technologies, driving an estimated benefit of over $10M.
- The successful implementation of these enhancements not only optimized service contract scheduling but also significantly contributed to cost-saving initiatives, resulting in a 10% reduction in operational costs.
- Collaborated across teams to troubleshoot software issues, reducing customer-reported issues by 30% and enhancing software reliability.
- Implemented agile methodology practices, resulting in a 15% improvement in project delivery time and ensuring timely project completion.
- Contributed in enhancing the modeling platform, achieving a 20% efficiency increase and streamlining maintenance operations.
- Documented algorithms comprehensively, facilitating collaboration and maintenance activities for long-term project success and scalability.

Projects

Doctor Appointment Booking System | *JavaScript, NodeJs, Express, HTML, CSS, MongoDB, Git* — 2023

* Developed a full-stack web application for appointment scheduling and streamlined pre-appointment protocols.
* Built a user-friendly interface with profile viewing, appointment scheduling, and search features, simplifying the scheduling process and boosting user engagement
* Implemented user authentication and authorization features to ensure secure access to patient and doctor accounts, enhancing data privacy and confidentiality.s
* Integrated a review system allowing patients to provide feedback on their experiences with healthcare providers, fostering transparency and trust within the platform.
* Implemented security measures to ensure user authentication and authorization, maintaining data integrity and confidentiality.

Covid Prediction based on comorbidities | *Python, Streamlit, Jupyter, MySQL* — 2022

* Created a tool to assess COVID-19 risk based on comorbidities like asthma, diabetes, pregnancy etc.
* Conducted extensive data analysis to identify correlations between comorbidities and COVID-19 outcomes, contributing to a deeper understanding of risk factors.
* Demonstrated proficiency in data preprocessing, modeling, and evaluation techniques, enhancing predictive accuracy and reliability.
* Employed advanced feature selection techniques and sampling methods to develop a 95% accurate predictive model, reducing false positives by 50%.

Technical Skills

Languages: Java, JavaScript, Python, C, SQL, NOSQL(MongoDB), HTML/CSS
Frameworks: Springboot, Node.js, RESTful Web Services, React, JUnit, WordPress
Developer Tools: Git, Docker, Maven, Amazon Web Services, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib
Certification: AWS Cloud Practitioner