Nagaram Pavan Kruthik

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# EDUCATION

**Stevens Institute of Technology** (GPA-3.61) **Hoboken**

*Masters in Computer Science 2022-2024*

# Amrita School of Engineering Coimbatore

*Bachelor of Technology in Computer Science and Engineering 2018-2022*

# WORK EXPERIENCE

**General Electric. Bangalore**

***Software Engineering Intern* Jan 2022 - Jul 2022**

* Worked as a part of the back-end team focussed on enhancing the core algorithm used for an internal project (modeling software) by the Organization.
* Developed innovative solutions for industrial challenges leveraging the Java tech stack with a focus on Spring Boot for robust backend functionality.
* Collaborated with cross-functional teams to identify software issues and troubleshoot bugs, resulting in efficient resolution and improved overall system performance.
* Actively took part in code reviews, interacting with the Functional team and Architects - converting requirements to user stories in Rally.
* Acquired skills to thoroughly document each step of implementing new functions in algorithms, ensuring accessibility and clarity for seamless collaboration and future code maintenance.
* Utilized agile methodology and actively participated in PI planning events, leading to a 15% improvement in project delivery time.
* Collaborated with the algorithm team to enhance the modeling platform, resulting in a 20% increase in overall system efficiency.
* Demonstrated proficiency in resolving defects and bugs raised by users through a thorough understanding of functional aspects of the project, resulting in a 30% decrease in customer-reported issues.

# PROJECTS

**Covid Prediction based on comorbidities**

* Developed a tool to let the patient know the chances of them getting affected by the virus based on various comorbidities like asthma, diabetes, pregnancy, etc.
* Utilized Streamlit to develop the front end and Mysql as a database. Python Jupyter Notebook has been used for the backend.
* Utilized advanced feature selection techniques and sampling methods in Python Jupyter Notebook to develop a highly accurate predictive model, achieving an overall accuracy rate of 95% and reducing false positives by 50%.

# Doctor Appointment Booking System

* Implemented a fully functional doctor-appointment booking system using HTML, CSS, Bootstrap, Express, Node.js, and MongoDB.
* Developed a review system for subsequent patients to provide feedback on doctors' services, resulting in improved doctor-patient interactions and overall patient satisfaction.
* Built a user-friendly interface with features such as view profile, view appointments, search bar for doctors by name or specialization, and the ability to book appointments directly through the platform. This increased user engagement and streamlined the appointment scheduling process.

# SKILLS & CERTIFICATIONS

**Skills:** Javascript, Python, Java, Springboot, Reactjs, Nodejs, Git, Mysql, MongoDB, AWS

**Certification:** Aws Certified Cloud Practitioner - 2024