Geetesh Muralitharan

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EDUCATION

Sathyabama Institute Of Science and Technology – Chennai, India *Jun 2022 - Present*
Bachelor of Engineering (Computer Science) Cumulative GPA: 7.5/10.0
Elective courses : Augmented and Virtual Reality, Society 5.0

Akshaya Academy Higher Secondary School - Palani, India *May 2022*
Class XII (Bio-Mathematics) Percentage: 69/100

Akshaya Academy Higher Secondary School - Palani, India *May 2020*
Class X Percentage: 90/100

WORK EXPERIENCE

SkillForge *June 2024 – August 2024*
Full Stack Web Development Intern

- Developed a comprehensive portfolio website to showcase projects and skills, utilizing tools like HTML, CSS, JavaScript, and Bootstrap which has ensured a responsive design and integrated interactive elements to enhance user experience.
- Built a secure login form with user authentication, registration, and password reset functionalities. For the framework and design, HTML, and CSS has been used to provide interactive and impressive visuals and PHP for database implementation which has provided encryption for secure data handling.
- Although, I had learned extensively about full-stack development, project management, and effective collaboration in a remote team environment.

CERTIFICATIONS

Career Essentials in Software Development *June 2024*
Microsoft

Overview:
- Covered programming basics and core professional skills.
- Provided career insights and preparation for the Microsoft GSI Programming Foundations certificate exam.
- Introduced Python and tools for software development.

Skills Acquired:
- Proficiency in Python.
- Understanding of object-oriented programming.
- Familiarity with programming tools and workflows.

Machine Learning Certification *July 2024*
Cognibot

Overview*:*
- Gained a solid understanding of machine learning principles, including supervised and

unsupervised learning.

- Explored a variety of machine learning algorithms such as regression, classification, clustering, and decision trees.
- Learned techniques for data collection, pre-processing, and feature selection.
- Studied various model evaluation metrics and techniques to assess performance.
- Engaged in hands-on projects to apply theoretical knowledge in real-world scenarios.

Skills Acquired:

- Proficiency in Python programming language.
- Experience with machine learning libraries and tools such as Scikit-learn, Pandas, and Matplotlib.
- Capability to manage end-to-end machine learning projects.
- Skills in translating theoretical knowledge into practical applications.

PROJECTS

Weather Prediction using Decision Tree Algorithm
Self Project

- Objective: Developed a predictive model to forecast weather conditions based on historical data.
- Algorithm: Utilized the Decision Tree algorithm for accurate classification of weather patterns.
- Data Processing: Conducted thorough data pre-processing, including cleaning and normalization.
- Feature Engineering: Identified and engineered key features to enhance the model's accuracy.
- Model Evaluation: Evaluated model performance using accuracy, precision, recall, and F1-score.
- Visualization: Created visual representations of decision trees and feature importance for better interpretability.
- Tools: Leveraged Python, Scikit-learn, Pandas, and Matplotlib for data analysis and visualization.
- Outcome: Achieved a high level of prediction accuracy, demonstrating the model's efficacy in forecasting weather.

TECHNICAL SKILLS

- **Languages:** Python, Java, HTML, CSS, JavaScript, SQL, Bash
- **Tools & Frameworks**: Bootstrap, Git, Pandas, Scikit
- **Databases:** SQL Server, MongoDB

LINKS

GitHub | LinkedIn