Selvaganesh

Bachelor of Technology
Bannari Amman Institute of Technology, Sathyamangalam

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EDUCATION

•**Bachelor of Technology in Artificial Intelligence and Machine Learning (AI & ML)** *2022-2026*

Bannari Amman Institute of Technology, Sathyamangalam   CGPA: 7.0

PERSONAL PROJECTS

•**2048 Game using Python**

A simple 2048 game implemented using Python. The game allows players to slide numbered tiles on a grid to combine them and reach th

- Implemented the game logic and UI using Python.
- The game involves logical thinking and strategy to reach the highest score.
- Technology Used: Python, Pycharm.

•**Road Traffic Prediction using Machine Learning**

A machine learning-based system to predict traffic patterns using historical data and external factors like weather and time of day.

- Used Random Forest Algorithm to predict traffic conditions.
- Preprocessed traffic data using Numpy and other data manipulation tools.
- Technology Used: Numerical Python and some Pre-processing libraries, Random Forest Algorithm.

•**Location Chat Bot**

A chat bot that helps users find location-based information by utilizing a location service and API key to fetch relevant data.

- Implemented the chat bot interface using HTML, CSS, and JavaScript.
- Integrated Google Maps API and a location service to fetch user-specific data.
- Technology Used: HTML, CSS, JavaScript, Google Maps Key Tokens links.

EXPERIENCE

•**AWS Cloud Computing**

- Learned about AWS cloud services and how to implement a project in a cloud platform as part of a one-credit course.
- Gained hands-on experience in setting up and managing AWS resources such as EC2, S3, Lambda, and RDS.
- Knowledge gained on deploying and managing cloud infrastructure and optimizing for cost and performance.

•**Machine Learning Deployment in Cloud Services Platform (Docker)**

- Learned how to deploy machine learning projects using Docker CLI and create Dockerfiles for containerization.
- Deployed a simple machine learning project on Docker, gaining practical knowledge of managing containers and their scalability.
- Gained experience in integrating machine learning workflows with containerized environments for seamless deployment.
- Explored advanced Docker concepts like multi-stage builds, image optimization, and resource management.

TECHNICAL SKILLS AND INTERESTS

Languages: C, Python, Java, HTML+CSS

Web Dev Tools: VScode, Google Colab, Jupyter Note Book (Machine Learning)

Cloud/Databases: Relational Database (MySQL)

Areas of Interest: Web Design and Development, UI and UX.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability