

Yeshu Puri

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EDUCATION

Aston University – B.Sc. in Computer Science

Birmingham, UK

09/2018 - 09/2023

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Introduction to Artificial Intelligence, Game Development, Ethics in Computing, Project Management & Programming Fundamentals.

SKILLS AND TRAINING

Languages: Python, Java, JavaScript, Ruby, HTML/CSS, SQL, PostgreSQL

Libraries & Frameworks: Flask, jQuery, React, Rails, Bootstrap, MaterialUI

Technologies & Other: Git, Postman, RESTful APIs, Azure

RELEVANT PROJECTS

Full Stack Application: Fake News Detection

09/2022 - 07/2023

HTML, CSS, JavaScript, MySQL, Selenium, BeautifulSoup & OpenAthens API

- Engineered a sophisticated **web application** aimed at curbing the spread of misinformation online.
- Leveraged front-end technologies including **HTML, CSS & JavaScript** to craft an engaging and intuitive user interface.
- Ensured robust data integrity and enhanced security of user inputs through comprehensive **data validation techniques**.
- Orchestrated the development and management of a **MySQL** database within a **XAMPP** environment, optimizing data storage and retrieval processes.
- Applied advanced **web scraping** techniques using **Selenium** and **Beautiful Soup** to authenticate news sources, significantly improving the project's content validity.
- Conceptualized and integrated a **secure user authentication system**, encompassing both login and signup functionalities.
- Integrated the **OpenAthens API** for secure and streamlined user authentication, enhancing both the security and user experience of the application.
- Adopted **Agile methodologies**, utilizing tools such as Trello, to facilitate responsive and iterative **project development**.
- Demonstrated exceptional **problem-solving** acumen and independence in driving the project to successful completion.

Game Development: 2D Strategy Game

09/2019 - 06/2020

Godot, Github, Piskel, Trello, Agile Methodology

- Led the development of 'Area 51', a dynamic 2D strategy game, over a 9-month period, assuming the roles of **Scrum Master** and **Team Leader** in the team of 8 students.
- Utilized **Godot Engine** for game design and GitHub for effective **version control**.
- Implemented **Agile** methods, facilitating daily stand-ups and sprint planning for optimal team collaboration and communication.
- Achieved timely **project completion**, ensuring high standards of quality through collaborative **Agile** practices.

Python Application: Tic-Tac-Toe with AI

10/2022 - 01/2023

Python, Minimax Algorithm, Python Libraries(NumPy, Pandas)

- Developed an advanced version of Tic-Tac-Toe with integrated **AI** using **Python**.
- Implemented **Minimax algorithm** to enable strategic decision-making by the **AI**.
- Enhanced **problem-solving** and algorithmic skills through the application of game theory and **recursive** functions.
- Optimized AI performance for efficient **decision-making** and gameplay experience.

ADDITIONAL EXPERIENCE

Skyways International, India

01/2021 - 06/2022

Manager

- In my role managing clients and staff in the travel and visa application sector
- I demonstrated strong communication skills to ensure effective team collaboration. I provided comprehensive guidance on visa applications, working closely with legal, financial teams, and external travel agencies.
- My responsibilities also included overseeing on-site staff and account executives, maintaining accurate financial records.