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Education

Lappeenranta **LUT University**

- BS in Electrical Engineering. GPA: 4.57

Skills

- Programming Languages: Python, HTML, CSS, Javascript, Typescript, Matlab
- Tools: NumPy, Pandas, TensorFlow, Microsoft office suite, Jupyter Notebook, VS Code
- Tools: MySQL, React, node.js, Arduino, RaspberryPi

Projects

- **Quadcopter Drone** Experienced in designing camera software for quadcopter drones and proficient in updating drone software to enable real-time image projection on smartphones. Skilled in developing algorithms to detect and highlight moving objects in the frame. Adept in utilizing various programming languages to optimize the functionality of the camera software. Demonstrated ability to work in a team environment and deliver innovative solutions that meet project requirements. Python, OpenCV
- **A.M.Y** designed a personal AI system that utilizes speech recognition and OpenCV in Python to execute various day-to-day tasks. This included setting alarms, sending emails, creating shopping lists, and playing music.To enhance the user experience, also developed a sleek Graphical User Interface (GUI) that mimics the aesthetics of J.A.R.V.I.S. from the movie. Python, Selenium
- **Netflix Show Recommender** designed and implemented a show recommender system for Netflix users. Developed algorithms that utilized a user's viewing history and average IMDb score to recommend new shows that they are likely to enjoy. Additionally, incorporated sorting functionality that categorized recommended shows according to different genres and online reviews, further personalizing the experience for the user.Throughout the project, utilized a variety of programming languages and frameworks, including Python, Pandas, NumPy, and Scikit-Learn. Worked closely with a team of developers to ensure that the system was optimized for performance and accuracy, delivering a final product that exceeded expectations. Python, Pandas, Scikit-Learn
- **Students Marks Predictor** Designed and implemented a software system that accurately predicted student exam marks based on their performance throughout the year.utilized a variety of programming languages and frameworks, including Python, Pandas, NumPy, Scikit-Learn, and Keras.worked closely with a team of developers to ensure that the software was optimized for performance and accuracy, delivering a final product that exceeded expectations. Python, Keras, Pandas, NumPy

Awards

- **Junction Hackathon** (Junction) Experienced in participating in the Junction Hackathon and developing an innovative model that predicts the optimal use of space and human resources on a cruise ship.Throughout the hackathon,collaborated with a team of developers to design and implement the model, utilizing a variety of programming languages and frameworks, including Python, Pandas, NumPy, and Scikit-Learn. We utilized our collective skills and knowledge to create a powerful and accurate solution that exceeded the expectations of the judges and attendees. November 2022