

Devasunder S J

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Objective

As an aspiring machine learning engineer, I am committed to leveraging my technical expertise and passion for innovation to develop cutting-edge solutions that drive business success. With experience in applying machine learning algorithms and data analysis techniques using tools such as Python, TensorFlow, Pandas, and NumPy, I am dedicated to delivering high-quality models that enable data-driven decision making. With a focus on continuous learning and a commitment to excellence, I am excited to contribute to the success of your organization and advance my career as a machine learning engineer.

Education

Degree

- Course: B Tech Coimbatore Science
- Institution & University: Amrita Viswa Vidyapeetham Coimbatore
- Period: 2020-2024 (ongoing)
- CGPA: 8.40 (upto 5th semester)
- Modules/Subjects: Principles of Artificial Intelligence (Grade A+), Foundations of Data Science (Grade A+)

Higher Secondary Education

- Stream / Subjects: Computer Science
- Institution: Suguna Pip School
- Period: 2018-2020
- Board: CBSE
- Marks / Grade: 436/500 (87.2%)

Secondary Education

- Institution: Gedee Public School
- Period: 2017-2018
- Board: CBSE
- Marks / Grade: 417/500 (83.4%)

Areas of Technical Interest:

- 1: Artificial Intelligence
- 2: Machine Learning and DeepLearning
- 3: Data Science and Analytics

Project

- **Topic: Ad Click Prediction**

Duration/Period: 2022-2023

Objective: Goal is to develop a ML algorithm that predicts if a particular user will click on an advertisement.

Tools or techniques used: Machine Learning, Scikit Learn, Kaggle, Jupyter Notebook

Outcome: Learned how to make use of machine learning to simplify the process of recommendation in various domains.

- **Topic: Collaborative Recommender System**

Duration/Period:2022-2023

Objective: Develop a recommender system to make personalized recommendation for an user based on Neural Collaborative Filtering.

Tools or techniques used: Tensorflow, Python, Pandas, Numpy

Outcome: Developed a personalized collaborative recommender system using Neural Collaborative Filtering, TensorFlow, Python, Pandas, and NumPy. Achieved high accuracy and precision metrics by leveraging deep neural networks and user-item interaction data. The system has the potential to improve user satisfaction, increase customer loyalty, and drive revenue for businesses.

- **Topic: Movie Review Website**

Duration/Period:2021-2022

Objective: Develop a movie review website where the user can login/signup and post reviews and ratings.

Tools or techniques used: HTML ,CSS, video layering

Outcome: Learned how to work in a team environment and got accustomed to strict deadlines and constraints.

Other Technical Qualification:

Programming Languages: Python, C++, HTML/CSS, C

Domains I am working on: Machine learning, Deep Learning, Recommender Systems, optimization using evolutionary algorithms, Neural Collaborative Filtering (NCF), Neural Architectural Search (NAS)

Extra Curricular Activities:

Keyboardist: Skilled keyboard player with more than 6 years of experience performing in school band and music group. Proficient in a variety of musical styles and able to read sheet music and improvise. Adept at collaborating with other musicians and contributing to the overall sound and success of performances.

Completed certification program in keyboard through the Trinity College London music program, demonstrating proficiency in music theory, performance, and technical skills

Game development: Passionate about game development and have completed several personal projects using game engines such as Unity and Unreal Engine. Familiar with game development concepts such as game design, mechanics, and optimization. Actively participate in online game development communities to learn and share knowledge.

Compering: Served as the emcee for the school annual day event, captivating the audience with engaging and informative introductions for each segment of the program. Demonstrated strong communication and public speaking skills, as well as an ability to improvise and adapt to unexpected changes in the program. Worked collaboratively with other event organizers to ensure a seamless and enjoyable experience for all attendees.

Personal Details:

- Date of Birth: 5/11/2002
- Language proficiency: English/Tamil/Hindi
- Hobbies / Interests: Game Designing/Musical Keyboard
- Contact Address: S-8, Jains West hills, Sowripalayam Coimbatore -641028

• Place: Coimbatore

Signature:

A handwritten signature in black ink, appearing to be 'Devasunder SJ', with a stylized flourish at the end.

Date: 11/03/2023

(Name: **DEVASUNDER SJ**)