Ashwin S

Undergraduate Student, VIT Chennai

A self-motivated student who has an imbued passion for computer and programming, and is consistently eager to learn and apply what he had learned. Currently pursuing B.Tech degree in Electronics and Computer Engineering.

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Education

Bachelor of Technology
Electronics and Computer Engineering

May 21 - Present
Vellore Institute of Technology, Chennai

Work Experience

Project Mentor - Advanced Short Term Program
VIT University, Chennai - Deakin University, Australia

November 21 | Remote

Facilitated the development of a full-featured Machine Learning Project.

Summer Research Intern - Center of Advanced Data Science

June 21 - August 21 | Chennai

Conceptualized and developed a Spatial-Temporal Graph Convolutional model, To train graphs on temporal features of diseases.

See Credential

Technology Consulting Intern - Virtual Experience Program

January 21 - February 21 | Remote

Conducted an initial market study to evaluate and select a new financial accounting system.

See Credential

Data Analyst Intern - Data@ANZ Program ANZ

December 20 - January 21 | Remote

Conducted EDA on segmented data and deliver valued insights, visualizing geospatial data of transactions volumes and assessing the effect of any outlines.

See Credential

Data Analyst Intern - Virtual Experience Program
Quantium

October 20 - November 20 | Remote

Actively engaged in quantitative analysis for delivering highly valued insights to help the business make strategic decisions.

See Credential

Technical Skills

Programming Language:
Python, C++, C, SQL

Software / Tools:
PyTorch, TensorFlow, MS Power BI, Docker, Flask, Azure Cloud Platform, PySpark, Git

Skills:
Data visualization (Plotly, Seaborn), Deep Learning, Machine Learning, Graph networks, NLP, APIs, Statistical Analytics

Achievements

Amazon ML Challenge - 2021:
Rank - 20

Google Chaii -
Hindi and Tamil Question Answering Challenge - 2021:
Rank - 124

MG Developer Program & Grant Mentorship

Research Papers

Dynamic Spatial-Temporal Graph Model for Disease Prediction (ongoing)

Projects

Movieholic - Movie Recommendation System

Technologies used: Python, Docker, Deep Learning, HTML, Azure app Services

Developed movie recommendation systems similar to Netflix/Prime using Pytorch sequential neural networks with collaborative filtering techniques.
Github Link

Heka - Disease Diagnosing System

Technologies used: Python, Flask, Deep Learning, HTML

Conceptualized Disease Diagnosing systems like Chatbot using Machine learning and Natural language processing.
Github Link

Anomaly Detector - Cognitive System

Technologies used: Python, Deep Learning, Plotly, Azure cognitive services.

Deployed the cognitive based anomaly detection service at the intelligent edge which returns reasons for anomalies.
GitHub Link

Legal Document Recommender System

Technologies used: Python, GNNs, Deep Learning, Web scarping (BS4)

Deployed a graph based recommender for legal documents using citations.

MovieRecEngine - Python open-Source Package

Technologies used: Python, PyTorch, Deep Learning, Twine.

Developed movie recommendation engine using Pytorch sequential neural networks and collaborative filters.
Pip Link

Relevant Certifications

Microsoft Certified: Data Analyst Associate

See Credential

Building Transformer - Based Natural Language Processing Application by NVIDIA

See Credential

Fundamentals of Deep Learning by NVIDIA

See Credential

Web GIS Technology by Indian Space Research Organisation (ISRO)

See Credential   E-No: 2021811022839   UID: f3e711fe734eedbc9066d40fb56f1b0f

How Google Does Machine Learning by Google

See Credential

Machine Learning Specialization by University of Michigan

See Credential

Deep Learning Specialization by Deeplearning.ai

See Credential

Communities

Analysts Team Head
VIT Data Analytics Club

Technical Member
VIT IEEE Computer Society

Electrical Team Head
Technocrats Robotics (Robocon Division)

Languages

English
Full Professional Proficiency

Tamil
Native Proficiency