



Personal Details

Name
Avinash Madhu

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Gokulam, 2A 2nd Floor,
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LinkedIn
<https://www.linkedin.com/in/avinashmadhu-1448621b6/>

Interests
Reading
Sports Watching
Sports Writing
Sports Analysis
Data Science
Data Analytics

Languages
English
Hindi
Malayalam (Native)
German (Basic)

Personal Details
Date of Birth: 06th. April, 2003
Nationality: Indian
Passport No: Z 6391977
Date of Expiry: 16/04/2032
Issued at Muscat.

Avinash Madhu

Data Enthusiast | Machine Learning | Python Developer | Data Analyst |
Data Visualization | SQL Expert | Sports Performance Data Analysis

Due to graduate in June 2025, Aspiring for excellence in the field of data science, data analytics and Sports Performance Data Analysis. Skilled in SQL, Python, and Data visualization. Advance knowledge in Machine learning and statistical analysis. Eager to leverage my expertise in transforming complex data sets into actionable insights to drive informed decision-making and to bring my strong analytical skills and strategic thinking to a forward-thinking company. Seeking an opportunity to apply my academic knowledge and hands-on experience. I engage with the community to gain as much insightful knowledge as I can and combine it with my current courses and my career.

Watching different sports, understanding the tactical setups, underlying relationship between data analysis and scouting, try and develop better methods to the existing approaches of sport data analytics and scouting. Currently have a personal blog page and medium articles with small scale content.

Internships

Internship with HCL (Hindustan Computers Limited), India (Online) Jul 19, 2023 - Aug 14, 2023
Game Recommendation Engine – (AZURE/MSSQL/APS.NET/C#/PYTHON)

Internship with Galfar Engineering and Contracting SAOG, Oman (Onsite) Jul 17, 2023 - Jul 27, 2023
(IT Department – Xpedeon ERP/In-house Applications – [MSSQL/VB.Net/ASP.Net/C#])

Education and Qualifications

B Tech. - Computer Science and Engineering (Artificial Intelligence) 2021 – 2025
University: Amrita Vishwa Vidyapeetham, Coimbatore, India. (CGPA – 8.08)

Skills

- Presentations
- Communication
- Collaboration
- Flexibility
- Assertiveness
- Sports Writing
- Creativity
- Writing
- Data Visualization
- Data Analytics
- Sports Analysis
- Programming in Python
- MS SQL, My SQL, SQL, MATLAB
- MS Office - PowerPoint, Word, Excel
- Pandas, NumPy, SciPy, Matplotlib
- Jupyter, Excel, scikit-learn
- TensorFlow, Keras, PyTorch, Matplotlib, Plotly
- Google Collab
- Azure

Awards

Best Delegate Diplomacy Award in the DISEC Committee at The E. Ahmed Model United Nations Conference [05 - 07 December 2019]. Karate Competition **Gold Medal winner** from Karate Association, Oman.

Certifications

- Certificate of Merit in Begin-O-Robotics an outreach workshop by Technex'18, IIT Varanasi delivered by Innovians Technologies (India).
- Certificate of Merit in Arduino (Workshop on Android App Development & Arduino Based Projects) organized by Innovians Technologies (India).
- Supervised Machine Learning Certification by Coursera
- Block chain and Bitcoin Fundamentals Certification by Udemy
- Robophone Course Certification by AVV - Kollam Campus

Projects

Network analysis and interpretations using python

Understanding Underlying Patterns and other data analysis related with a Computer Network- Term Project

Comprehensive Scouting of Player for League Adaptability using Stats bomb API and Python

Detailed analysis of players (special emphasis on women's soccer due to unexplored nature) about their performance using pre-defined framework combined with basic data visualization to gauge different leagues adaptability- Personal Project.

Basic Football-Related Reinforcement Learning of Ball Agent Progression for Constantly Changing Environment

A raw attempt to allow a football agent to progress itself from one end to another end on grid based pitch with constantly changing environment which has obstacles in the form of opponents – Personal Project

Using Computer Vision to understand the concept of space generation and rest defense in Football

Understanding the more in depth and unquantifiable concepts of football, finding methods to interpret them - Research Project (Ongoing)