

Subramanian S

M. Sc Decision and Computing Sciences (Integrated)

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 Coimbatore,India

 Portfolio

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 <https://github.com/S-Subramanian-44>

EDUCATION

M.Sc Decision and Computing Sciences, Coimbatore Institue of Technology	2021 – present
CGPA - 8.59	Coimbatore, India
HSC, Lisieux Matriculation Hr. Sec. School	2020 – 2021
Percentage - 88%	Coimbatore, India

PROFESSIONAL EXPERIENCE

Software Developer, Ciyes Systems Pvt Ltd	2024/07 – 2025/06
<div><div><ul style="list-style-type: none">Developed a GRU-based time series model to predict equipment failures in Indian Railways, enhancing early fault detection accuracy.Integrated IoT sensor data with machine learning pipelines to enable real-time monitoring and predictive analytics for critical rail assets.Reduced Mean Time to Repair (MTTR) by enabling proactive maintenance strategies, significantly improving system reliability and asset uptime.</div></div>	Coimbatore, India

PROJECTS

Automated Candidate Selection
<div><div><ul style="list-style-type: none">Developed a Flask-based Python application employing Linear Regression and Random Forest models for candidate selection, achieving an accuracy of 83%.Streamlined the hiring process by automating resume analysis and big 5 personality assessments, enhancing efficiency and accuracy in talent acquisition.Enhanced candidate experience through personalized email notifications to successful applicants, improving communication and overall recruitment effectiveness.</div></div>
Smart Gift Assistant
<div><div><ul style="list-style-type: none">Built an Smart Gift Assistant using Flask, MongoDB to generate personalized gift recommendations based on user interests, occasions, and budget constraints.Implemented optimization algorithms like Dynamic Programming, Greedy, and Backtracking to maximize gift value and handle real-time unavailability or budget limits.Designed a responsive UI and integrated web scraping from platforms like Amazon to fetch live gift options and enhance user experience.</div></div>
Fitness Training Studio
<div><div><ul style="list-style-type: none">Leveraged MEAN stack to build a comprehensive fitness companion that empowers users to take charge of their fitness goals.The application empowers both users and administrators. Users can view plans, manage profiles, and track progress. Administrators can manage user data and update fitness plans to ensure effectiveness and adapt to user needs.The MEAN stack delivers a responsive and user-friendly interface, making it easy to navigate and use and provides a foundation for a scalable system that can handle a growing user base</div></div>

TECHNICAL SKILLS

• Python	• SQL	• MS Office	• Power BI
• Flask	• React	• Node JS	• Mongo DB

SOFT SKILLS

• Time management	• Adaptability	• Team Player	• Coordinating
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AREAS OF INTERESTS

• Artificial Intelligence	• Data Analysis	• Content Creation	• Business Analytics
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WORKSHOP

Grant Thornton Lean Six Sigma Yellow Belt - Grant Thornton, National Institute of Technology, Tiruchirappalli
Conversational Data Analytics - Latentview, National Institute of Technology, Tiruchirappalli