# Subramanian S

*M. Sc Decision and Computing Sciences (Integrated)*


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Portfolio


## Education

**M.Sc Decision and Computing Sciences** 2021 – present
*Coimbatore Institue of Technology* Coimbatore, India
**CGPA - 8.20**

**HSC** 2020 – 2021
*Lisieux Matriculation Hr. Sec. School* Coimbatore, India
**Percentage - 88%**

**SSLC** 2018 – 2019
*Lisieux Matriculation Hr. Sec. School* Coimbatore, India
**Percentage - 87%**

## Technical Skills

- Language: Python
- Tools: Power BI, MS Office, Jupyter Notebook
- Web development: HTML, CSS, MERN Stack
- Search Engine Optimization
- Database: MySQL
- Machine learning

## Soft Skills

- Time management
- Team Player
- Adaptability
- Coordinating

## Areas of Interests

- Web development
- Database Management
- Software development
- Machine learning
- Data Analysis
- Social Media Marketing

## Professional Experience

**Data Analyst at Prodigy InfoTech** 2023/12 – 2024/01

**ML Intern at CodSoft** 2024/01 – 2024/02

## Certificates

- Forage:  Data Visualisation: Empowering Business with Effective Insights
- Coursera: Introduction to Machine Learning
- Scaler Topics: Python - Mastering the essentials
- Great Learning: React JS Tutorial
- Search Engine Optimization with Squarespace

## Projects

### Automated Candidate Selection

- 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.

### Online Voting Portal

- Leveraged MERN Stack to craft a cutting-edge voting platform ensuring secure authentication and encrypted, anonymous voting.
- Implemented Git for version control and collaborated efficiently in Visual Studio Code, ensuring seamless development.
- Empowered democratic engagement by enabling voters to participate from any location, fostering transparency and convenience in the electoral process.

### Transportation Problem

- Created a Python-based logistics optimization tool with Tkinter framework, integrating North-West Corner, Least Cost, and Vogel's Approximation Methods, achieving a 95% accuracy rate.
- Utilized integer programming techniques to optimize transportation logistics, resulting in a 25% reduction in costs and enhanced resource allocation efficiency.
- Streamlined supply chain management processes, delivering significant operational improvements and cost savings through advanced optimization algorithms.

### Digital Banking Experience

- A robust banking interface built using Python with Tkinter framework, offering a suite of essential financial services
- Users can seamlessly manage their accounts, conduct transactions, explore loan options through an integrated calculator, apply for loans, access locker details, and address issues like ATM blocking or submitting requests and complaints

## Workshop

### Grant Thornton Lean Six Sigma Yellow Belt - Grant Thornton

*National Institute of Technology, Tiruchirappalli*

### Conversational Data Analytics - Latentview

*National Institute of Technology, Tiruchirappalli*