SANDEEP G

B.Tech Artificial Intelligence and Data Science   E-mail Id   : sandeepsolai@gmail.com
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ACADEMIC QUALIFICATIONS:

DEGREE / AWARD	NAME OF THE INSTITUTION	BOARD / UNIVERSITY	CGPA / PERCENTAGE	YEAR OF PASSING
Bachelors of Technology Artificial Intelligence and Data Science	Karpagam Institute of Technology	Anna University, Chennai	71	2025
Higher Secondary Certificate	GOVT Boys Hr Sec School, Tiruchengode, Namakkal	Tamil Nadu State Board	70.59	2021
Secondary School Leaving Certificate	Government Hr Sec School Solasiramani	Tamil Nadu State Board	60.80	2019

Positions of Responsibility:

- **Technonicol India PVT LTD**   April 2024
  Data Science & Machine Learning Intern
- **Tea Time Studio**   2023 - 2024
  Marketing Analyst
- **TechFusion Solutions**   Oct 2022
  Mobile App Developer Intern

PROJECT:

1. **Crescendo – AI-Powered Music Generator & Library** | Meta MusicGen | LLM | Open Source
   • Built an open-source web-based music library with integrated copyright-free audio generation using Meta's MusicGen LLM.

2. **Red Wine Quality Prediction** | Machine Learning | Python | Colab
   • Developed a supervised ML model using regression and ensemble techniques to predict wine quality from physicochemical features.

3. **3D First-Person Shooter Game** | Unity | C# | Game AI
   • Designed and built a 3D FPS game with weapon systems, health mechanics, and enemy AI behavior using Unity.
   • Implemented smooth navigation, hit detection, and custom animations for an immersive experience.

4. **Real-Time Face Mask Detection from CCTV Feed** | Deep Learning | Python | OpenCV
   • Built a real-time face mask detection system using CNN on live video feeds.

5. **Web Traffic Forecasting & Analysis Tool** | ML | Time Series | Python
   • Analyzed and forecasted web traffic patterns using Kaggle datasets and models like ARIMA .
   • Visualized traffic trends to derive actionable insights implemented in Google Colab.

6. **Minecraft AFK Bot for Aternos Server** | Automation | Python | pyautogui
   • Developed a lightweight automation bot to simulate player activity and prevent AFK kicks in Minecraft Aternos servers.
   • Used pyautogui to mimic keyboard and mouse actions with randomized intervals.

7. **Weather Forecast Web App** | ReactJS | OpenWeather API
   • Created a responsive weather dashboard using ReactJS and OpenWeather API.

COURSES AND CERTIFICATIONS

• Data Science and Analytics	*@IBM coursera - Oct 2023*
• Responsive Web Design	*@ freecodecamp – Aug 2023*
• Networking Essentials	*@ Cisco- Apr 2023*
• Front-End Development	*@Meta coursera - Apr 2023*
• SQL	*@ SkilRack - Mar 2023*

Practical Expertise & Skills

PRACTICAL EXPERTISE
Tools & Platforms

• Jupyter Notebook
• PyCharm
• Android Studio
• Angular
• React
• Git & GitHub
• Canva
• Krita (2D Texture Design)
• Visual Studio / VS Code
• Microsoft Office (Excel, Word, PowerPoint)
• Adobe Premiere Pro (Video Editing)
• Unity
• Blender
• Adobe Premiere Pro (Video Editing)

TECHNICAL & SOFT SKILLS
Development & Analytics

• Android App Development
• Web Development
• Artificial Intelligence
• Machine Learning
• Data Science & Algorithms
• Data Analytics
• Data Visualization
• Digital Marketing Basics

Professional Skills

• Problem Solving
• Critical Thinking
• Leadership & Team Collaboration
• Presentation & Communication
• Fast & Adaptive Learner

PROGRAMMING LANGUAGES:

- Java
- JavaScript
- SQL
- HTML & CSS
- Python *(Pandas, NumPy, Matplotlib)*

INTERESTS:

- Professional Development
- Technology
- Sports and Fitness
- Social Service
- Research and Development

LANGUAGES KNOWN:

- Tamil *(Native)*
- English*(Fluent)*