

Anil Velayudam

Portfolio: https://anilvelayudam.github.io/Anil_Velayudam_Portfolio/

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Summary

Computer Science graduate with expertise in backend development, machine learning, and database management. Proficient in Python, JavaScript, and web development. Experienced in delivering high-performance solutions and collaborating with cross-functional teams. Skilled at leveraging innovative technologies to solve real-world problems and seeking opportunities to contribute to impactful projects and continuous learning.

Education

Computer Science Engineering (B.Tech)

CGPA: 7.02

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AITS)

July 2019 – Oct 2023

Technical Skills

- Programming Languages: Python
- Frontend Development: HTML, CSS, JavaScript
- Backend & Databases: SQL Server, MySQL, PostgreSQL
- Tools & Platforms: Microsoft Office Suite, GitHub
- Operating Systems: Windows, Linux

Work Experience

Freelance (Uniiian)

Jan 2024 – Jul 2024

- Developed and maintained backend code for database connections using Python.
- Worked on a comprehensive project integrating multiple databases, including MySQL, SQL Server, and PostgreSQL.
- Utilized Redis for efficient data caching and fast data retrieval.
- Deployed and managed applications on Ubuntu Linux servers.
- Ensured smooth database operations with cross-functional collaboration.
- Implemented robust and scalable solutions to improve database connectivity and efficiency.
- Troubleshoot and resolved complex database integration issues, ensuring data consistency and reliability

Freelance Python Developer (MongoDB Automation)

Mar 2024

Client: Lead Performance Engineer at A.P. Moller – Maersk (13+ years experience in Hexaware & Lowe’s India)

- Automated data extraction and transformation from MongoDB using Python scripting.
- Streamlined database management workflows, reducing manual effort and error rates.
- Delivered production-ready, scalable scripts with clean logging and modular code structure.

Projects

CARDIOVASCULAR DIS PREDICTION SYSTEM-BASED ON ML (Major Project)

Jan 2023 – May 2023

Tech Stack: Python, HTML, CSS, JS, Pycharm, Django, MYSQL, XAMPP

- Developed a heart disease prediction system using a Random Forest algorithm.
- Processed medical datasets to enhance early detection and prevention.
- Developed a machine learning solution for early and accurate HDD, significantly reducing mortality rates.

Certifications

Intermediate Python – Naresh-IT

Oct 2023

- Acquired intermediate-level Python skills, including advanced data structures, OOP, and modules.
- Gained practical experience through hands-on projects.

Training in Artificial Intelligence – Skill Vertex

Oct 2022

- Completed comprehensive training in AI concepts and applications, including machine learning, data analysis, and neural networks.
- Developed hands-on experience with AI tools and techniques, and worked on practical projects to apply theoretical knowledge.

Salesforce Developer Virtual Internship – Salesforce

Nov 2022

- Gained practical experience in Salesforce development, including Apex and Lightning components.
- Worked on real-world projects to enhance CRM solutions and custom applications.