

# Anil Velayudam

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

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## Education

Computer Science Engineering (B.Tech)

CGPA: 7.02

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AITS)

July 2019 – Oct 2023

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## Technical Skills

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

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## Work Experience

Freelance (Uniiian)

Jan 2024 – Jul 2024

- Improved and maintained backend systems using Python, reducing data latency by **25%**
- Integrated MySQL, SQL Server, and PostgreSQL databases, improving consistency by **40%**
- Utilized Redis caching to enhance API response time by **70%**
- Deployed backend apps on Ubuntu Linux servers, cutting downtime by **30%**
- Collaborated with **3 cross-functional teams** to deliver modules ahead of schedule
- Implemented solutions handling **50K+ records** with zero post-deployment issues
- Resolved **20+ integration bugs**, boosting data reliability and system uptime

Freelance Python Developer (MongoDB Automation)

Mar 2025

Client: Lead Performance Engineer at A.P. Moller – Maersk

- Automated MongoDB data extraction with Python, saving **2+ hours/week** of manual work

- Reduced data errors by **50%** using modular scripts and built-in validation
- Delivered production-ready code with comprehensive logging and exception handling

### **Freelance Python Developer** (Confluence Automation Tool)

JULY -2025

**Client:** Lead Performance Engineer at A.P. Moller – Maersk

- Built a full-stack Flask tool to automate Confluence test reports with structured sections and image uploads for Observations, Metrics, and Departures
  - Integrated secure API calls using requests and atlassian-python-api, supporting dynamic page creation, updates, and image attachments
  - Added real-time image preview and **Ctrl+V screenshot paste**, improving test documentation speed and usability for engineering teams
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## **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.
  - Implemented a machine learning solution for early and accurate HDD, significantly reducing mortality rates.
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## **Certifications**

### **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.