Anil Velayudam

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Summary

Computer Science graduate with backend development, machine learning, and database management expertise. 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, JavaScript
- Frontend Development: HTML, CSS, JavaScript
- Backend & Databases: SQL Server, MySQL, PostgreSQL, PL/SQL
- Tools & Platforms: Microsoft Office Suite, GitHub
- Operating Systems: Windows, Linux

Work Experience

Associate Developer Internship (Uniian)   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.
- Collaborated with cross-functional teams to ensure seamless database interactions and high-performance data processing.
- Implemented robust and scalable solutions to improve database connectivity and efficiency.
- Troubleshoot and resolved complex database integration issues, ensuring data consistency and reliability

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 heart disease detection, significantly reducing mortality rates.

RURAL HEALTH SCHEME (Mini Project**)**   May 2022 – Aug 2022

Tech Stack: Visual Studio, HTML, CSS, JS

- Conducted a comprehensive survey on rural health, hygiene, and available facilities to assess awareness and healthcare challenges in rural areas.
- Developed a project to improve coordination between primary and tertiary healthcare institutions, addressing health infrastructure and resource disparity.

Harvesting (Mini Project**)**   Sep 2022 – Dec 2022

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

- Developed a web-based ML project for agriculture, providing crop recommendations, fertilizer suggestions, and plant disease predictions to enhance farmers' productivity.
- Implemented applications allowing users to input soil data and plant images to receive tailored advice, utilizing Machine Learning and Deep Learning techniques.

PRIME CARE (Mini Project**)**   Jul 2021 – Nov 2021

Tech Stack: MIT APP INVENTOR

- Developed the PRIME CARE APPLICATION using MIT App Inventor to provide accessible COVID-19 preventive measures and vaccination reminders to the public.
- Designed a user-friendly app to raise awareness and notify users of necessary safety precautions, enhancing public health during the pandemic

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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.