Anil Velayudam

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Education

Computer Science Engineering (B.Tech)   July 2019 – Oct 2023

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AITS)   CGPA: 7.02

Technical Skills

Languages: Python

Frontend: HTML, CSS

RDBMS: SQL Server, MySQL, and PostgreSQL

Tools: Visual Studio Code, PyCharm, GitHub **Operating
systems**: Windows & Linux.

Work Experience

Freelance & Internship Backend Developer   Jan 2024 – Jun 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.
- Troubleshooted and resolved complex database integration issues, ensuring data consistency and reliability.

Projects

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

Tech Stack & Tools: 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

VEHICLE AUTHENTICATION AND THEFT ALERT APP (Mini Project**)**   Dec 2021 – Mar 2022

Tech Stack & Tools: Android Studio, XML, Java

- Developed an Android application for authenticating vehicle documents, and simplifying vehicle and license information retrieval for traffic police and RTO departments.
- Integrated features to alert owners about document expirations, traffic rule violations, and vehicle thefts, enhancing efficiency and security in vehicle management.

RURAL HEALTH SCHEME (Mini Project**)**   May 2022 – Aug 2022
Tech Stack & Tools: 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 aimed at improving coordination between primary and tertiary healthcare institutions, addressing the disparity in health infrastructure and resources.

Harvesting (Mini Project**)**   Sep 2022 – Dec 2022
Tech Stack & Tools: 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.

CARDIOVASCULAR DIS PREDICTION SYSTEM-BASED ON ML (Major Project**)** ⌗   Jan 2023 – May 2023
Tech Stack & Tools: Python, HTML, CSS, JS, Pycharm, Django, MYSQL, XAMPP

- Implemented a reliable heart disease prediction system using the Random Forest algorithm in Python, processing medical datasets to predict heart attack risk.
- Analyzed patient medical records in CSV format, enhancing early detection and prevention of heart disease with high performance and accuracy.
- Developed a machine learning solution for early and accurate heart disease detection, contributing to significant reductions in mortality rates.

Certifications

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.

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

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 and problem-solving exercises