

Aman Vishwakarma

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Junior Software Developer

6+ months of experience in software development, specializing in Python, React, Django, and Zoho solutions.

Education

Bachelor of Technology (CSE - IoT)

NIET, Greater Noida | AKTU/UPTU | 7.90 CGPA | 2020 – 2024

Senior Secondary Education

Sri Chaitanya Jr Kalasala, Hyderabad | TSBIE | 87.6% | 2020

Matriculation

Sri Chaitanya High School, Hyderabad | CBSE | 82.6% | 2018

Professional Experience

Astro Arun Pandit Pvt. Ltd.

Junior Software Developer | May 2024 – Present

- Developed responsive web applications and optimized database operations with Firebase.
- Collaborated with multi-disciplinary teams to improve feature functionality and resolve technical challenges.
- Automated workflows using Zoho Flow and managed client data via **Zoho CRM**.

Projects

Cutting-edge Weather Station (Feb 2024 – May 2024)

- Designed a weather and AQI monitoring system using **MQ-135** and **MQ-5** sensors.
- Applied **Random Forest**, **XGBoost**, and **SVM** for predictive analysis of AQI data.
- Developed mobile/web applications for real-time data visualization using cloud storage.

Movie Recommendation System (Aug 2023)

- Built a recommendation engine using collaborative and content-based filtering techniques.
- Tools Used: **Python**, **Streamlit**, **Pickle**, **Pandas**.

IoT Automated Door (Apr 2022 – Nov 2022)

- Created a smart door automation system using **IoT sensors** and **actuators**.
- Enabled remote control and real-time monitoring via web and mobile applications.

Web Development

- Designed various web projects using **HTML**, **CSS**, **JavaScript**, integrated **Firebase**, and maintained version control with Git.

Research Work

- Delivered a presentation on *IoT Automated Door* at the **International Conference on Emerging Technologies and Innovations** (March 2023).
- Explored diverse IoT applications with a focus on automation, connectivity, and real-time control.

Technical Skills

Programming Languages: Python, HTML, CSS, JavaScript

Frameworks: React, Bootstrap, Express, Spring Boot

Tools & Platforms: Anaconda, Arduino IDE, MongoDB, MS Office, SQL, Visual Studio

Zoho Software Expertise: Zoho CRM, Zoho Flow, Zoho Campaigns

Additional Skills: Cloud Computing, IoT, Cybersecurity, Web Development

Certifications

- IoT Communications (*Coursera*)
- Industrial IoT Markets and Security (*Coursera*)
- Web Development with HTML, CSS, JavaScript
- Object-Oriented Programming in Java
- AWS Educate: Getting Started with Networking
- AWS Educate: Getting Started with Cloud Ops

Hobbies

- Listening to Music, Badminton, Travelling

Languages

- English, Hindi, Telugu

Strengths

- Initiative-taking, Open-minded, Versatile