

# USHA YADAV

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## EDUCATION

**Chhattisgarh Swami Vivekanand Technical University**

*B.Tech Computer Science and Engineering - CGPA: 8.62*

**Govt. H.S.School Dhanora Durg**

Class XII, Percentage Scored - 88%

**Sep. 2017 – Sep 2021**

*Bhilai, Chhattisgarh*

**July. 2016 – July 2017**

*Dhanora, Chhattisgarh*

## OBJECTIVE

An innovative and results-driven Senior Developer with 3.8 years of experience in building, developing, and managing websites, applications, and programs. Adept at leveraging emerging technologies, collaborating with teams, and delivering high-quality solutions. Ability to interact with new technology. Highly motivated, quick learner. Interested in securing the position of Team Leader, hoping to share great skills, expertise, and experience with company's team and valuable clients.

## TECHNICAL SKILLS

- ❖ **Programming Languages:-** Proficiency in languages such as Python, Django, Flask, JavaScript.
- ❖ **Web Development:-** Knowledge of HTML, CSS, JavaScript, library and frameworks like VueJs or JQuery, Bootstrap, Tailwind, and proficiency in building Full stack web applications.
- ❖ **Web Scraping:-** I have done web scraping on Python BeautifulSoup & Selenium2 with ChromeWebDriver.
- ❖ **Database Management:-** Understanding of SQL, MySQL, MSSQL and knowledge of data modeling.
- ❖ **API Integration:-** Experience in integrating with external API's to access third-party services or exchange data between system.
- ❖ **Computer Vision:-** Basic knowledge of **OpenCV** for image processing, object detection, and video analysis.
- ❖ **Networking:-** Familiarity with network protocols (TCP/IP, HTTP), understanding of RESTful API's.
- ❖ **Version Control Systems:-** Knowledge of tool like git, gitbash, jira, bitbucket and understanding branching, merging and code versioning.
- ❖ **Software Testing:-** Experience with API Testing and Test Scripts allow you to send HTTP requests (GET, POST, PUT, DELETE etc.) with Postman tool.
- ❖ **Cloud Computing:-** Basic knowledge of AWS, including deploying applications in the cloud, with familiarity in using services like EC2, S3, and IAM.
- ❖ **Excel Handling:** Experienced with OpenPyXL for generating and manipulating Excel files, particularly in handling large datasets and automation tasks.
- ❖ **Multithreading:** Knowledge of multithreading concepts in Python to optimize performance and handle parallel tasks efficiently.
- ❖ **Containerization :** Basic knowledge of Docker, including creating Dockerfiles, building images, running containers, and using Docker Compose for managing multi-container environments.

## TRAINING & INTERNSHIP

**Greate Learning Academy**

**Apr. 2021 – Apr. 2021**

*Software Developer Intern*

- ❖ Completed Django & RESTful API training, covering code structuring, configurations, and model design. Implemented RESTful APIs with serializers, CBVs, and FBVs.
- ❖ *Built a JWT-based user authentication system.*

**Innovation 4u**

**Jun 2019 – July 2019**

*Software Developer trainee*

- ❖ Gained foundational knowledge of the **Java programming language**.
- ❖ Learned key **OOP** concepts, including threading, inheritance, and abstraction.
- ❖ Developed a **Quiz Application project** utilizing Java, focusing on efficient design and functionality.

## WORK EXPERIENCE

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Senior Python Developer (July 2024-Feb 2025)

### Arosys Technology Pvt Ltd – Bhilai, Chhattisgarh

- ❖ **Technologies Used:** Django, Django REST Framework (DRF), OpenPyXL, Multithreading, MSSQL
- ❖ Contributed to the US-based **America Learns** project, which serves US government NGOs, by developing APIs using Django and Django REST Framework (DRF).
- ❖ Focused on the **Timesheet** module, which is a core component of the project.
- ❖ Overview of the **Timesheet** module, the project involved creating programs, associations, volunteers, and task templates, followed by assigning templates to volunteers. Volunteers then submitted their task details within a specified time period. The **Timesheet** data was later processed and exported to Excel using the **OpenPyXL** module.
- ❖ Utilized **multithreading** concepts to enhance performance, significantly reducing processing time. Optimized code to reduce a processing time of 80 minutes to just 1-2 minutes.
- ❖ Handled MSSQL connection to retrieve and manage data efficiently.
- ❖ Handled exceptions externally, sending detailed email notifications with error information, including the error name, file name, line number, and the Excel sheet where the error occurred.
- ❖ Leveraged cloud computing to run the **multithreaded** code, ensuring efficient execution and scalability.

Senior Software Developer (April 2022-June 2024)

### Divyal Technology Pvt Ltd – Bhilai, Chhattisgarh

- ❖ Contributed to UK-based projects, including **PCDS (Passenger Counting Distribution System)**, **Eastlothian**, **ConduitV**, **PMD**, and **Artemis Project**.
- ❖ Developed APIs using **Django** and seamlessly integrated them into the UI with **JavaScript** and **Vue.js** frameworks.
- ❖ Built and maintained multiple websites utilizing **HTML**, **CSS**, **JavaScript**, **jQuery**, **Vue.js**, and **Django**.
- ❖ Implemented a **responsive, mobile-first approach** to standardize all outputs, ensuring optimal performance across devices.
- ❖ Managed complex project details by analyzing design requirements and recommending scalable, maintainable, and efficient technical solutions.
- ❖ Interpreted requirements, created project plans, and ensured adherence to schedule and quality goals.
- ❖ Collaborated with cross-functional teams to identify and resolve project challenges effectively.
- ❖ Debugged websites to eliminate coding errors, ensuring a seamless experience for network administrators and end-users.

Software Developer (2021-March 2022)

### Amantya Technology Pvt. Ltd. – Gurgaon, Haryana

- ❖ Successfully completed a 6-month probation period, contributing to both telecommunication and web development projects.
- ❖ In web development, worked with Django to design and develop scalable applications.
- ❖ In the telecommunication domain, contributed to 5G Core technology, developing APIs using Django and RESTful API.
- ❖ Collaborated with cross-functional teams to identify challenges and implement effective solutions, ensuring smooth project delivery.

## PROJECTS

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### ARTEMIS - Django | VueJs | Tailwind Css | MySQL | Postman

- ❖ Contributed to a UK railway-based claims project involving both front-end (Vue.js, HTML, CSS, Tailwind) and back-end (Django) development.
- ❖ Collaborated with a team of 4 members, working on both the front-end and back-end components to deliver the project.
- ❖ Managed branching and merging using Git and tested APIs using Postman.
- ❖ Implemented Table of Contents (TOC) for every project based on Tracsis to ensure organized content management.
- ❖ Developed two main portals: Agent Portal and Customer Portal, each with unique functionality.
- ❖ Managed key sections within the Agent Portal, including CaseType, CaseConfig, Notice Management, CourtRoom, and User Management, ensuring smooth operations for agents.
- ❖ The project is a long-term, large-scale initiative, requiring continuous collaboration and development.

### PCDS - Django | Javascript | Css | MySQL | Postman

- ❖ Contributed to the Passenger Counting Distribution System (PCDS) project, a UK-based train schedule management system, working as part of a 2-member team.
- ❖ Involved in both back-end and front-end development, ensuring seamless integration of all components.
- ❖ Managed branching and merging using Git and tested APIs with Postman to ensure functionality.
- ❖ Developed and implemented features to manage train schedules, cars (bogies) according to sessions, and the ticketing system.
- ❖ Designed and optimized workflows for agent work schedules, improving operational efficiency.
- ❖ Contributed to a long-term, complex project with multiple functionalities, requiring continuous collaboration and problem-solving.

### PMD - Django | VueJs | Tailwind Css | MySQL | Postman

- ❖ Contributed to the Project Management Dashboard (PMD), a comprehensive system built using Django (backend) and Vue.js with Tailwind (frontend), as part of a 4-member team.
- ❖ Involved in both backend and frontend development, ensuring smooth integration between the two.
- ❖ Managed branching and merging using Git, and tested APIs using Postman to ensure proper functionality.
- ❖ Implemented key features to manage enquiries, projects, and track work progress effectively.
- ❖ Developed a user management section to handle user issues and assign tasks based on roles.
- ❖ Designed a role management section to add roles with specific permissions for areas such as enquiries, projects, schedule, media, equipment, and admin functions.
- ❖ Managed the schedule through a dedicated section, and handled asset management via the equipment section.
- ❖ The project includes numerous additional features, contributing to a comprehensive and long-term solution for project tracking and management.