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Trainee Engineer/Software Developer

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Career Objective

A highly motivated and enthusiastic fresher with a strong foundation in Python Full Stack Development, completed from Digital Lync. Skilled in Python, Django, HTML, CSS, JavaScript, and basic database management. Eager to start my career as a Python Developer or Software Developer Trainee, where I can apply my knowledge, gain hands-on experience, and grow with a dynamic team.

Skill Summary:

Programming Languages

Python:

- Proficient in Python for backend development, implementing algorithms, and developing data-driven applications.
- Strong understanding of Python syntax, data types, loops, conditional statements, functions, and exception handling.
- Hands-on experience with OOP principles including classes, inheritance, polymorphism, and encapsulation.
- Skilled in file handling (reading/writing files), working with CSV and JSON data formats, and automating tasks with Python scripts.
- Proficient in using try, except, finally, and else blocks for effective runtime error management.

JavaScript:

- Solid grasp of JavaScript fundamentals including variables, data types, operators, functions, loops, and control structures.
- Experience in **DOM manipulation** for building dynamic and interactive web pages.
- Understanding of event handling, form validation, and integrating JS with HTML/CSS for responsive UI behavior.

Web Technologies

HTML5 & CSS3:

- Proficient in using HTML5 for structuring web content and CSS3 for styling and responsive design.
- Experience in creating forms, tables, semantic tags, and multimedia content using HTML.

- Familiar with flexbox, grid layouts, and media queries for responsive web design.

Django (Python Framework):

- Hands-on experience in building web applications using Django MVC/MVT architecture.
- Proficient in creating views, templates, models, and handling URL routing.
- Experience with Django forms, user authentication, and admin interface customization.
- Worked with Django ORM for interacting with relational databases efficiently.

Database Technologies

SQL / MySQL / SQLite:

- Familiar with writing SQL queries for data retrieval, insertion, update, and deletion.
- Understanding of database concepts like normalization, joins, and indexing.
- Experience working with SQLite and MySQL for backend integration with Django applications.

Version Control

Git & GitHub:

- Basic knowledge of Git for version control: clone, commit, push, pull, and branch management.
- Familiar with using GitHub for collaboration and hosting code repositories.

Development Tools & Other Skills

- **Operating Systems:** Windows, Linux (basic navigation and commands)
- **Software Development Methodologies:** Understanding of Agile and Scrum practices
- **Debugging & Troubleshooting:** Comfortable using browser dev tools and IDE debuggers to identify and fix issues
- **Cloud Fundamentals:** Basic knowledge of deploying applications and understanding cloud environments
- **APIs:** Experience with consuming RESTful APIs and integrating them in full-stack applications

Education

June 2022 – June 2024
Kadapa, India

Master of computer Application
Yogi Vemana University

Skills

Operating Systems

Windows, Linux

Backend Framework:

Django, React

Web Technologies

HTML5, CSS3, Bootstrap

Tools & IDEs

VS Code

Other Skills

RESTful APIs, JSON, File Handling, OOPs Concepts

Programming Languages

Python, JavaScript

Concepts

OOPs, Exception Handling, Data Structures (Lists, Tuples)

Version Control

Git, GitHub

Development Methodologies

Basic knowledge of Agile and Scrum

Languages

- English
- Telugu

Certificates

Python Full Stack Developer

Certification

I have completed Python full stack course from Digital Lync

Projects

HRMS Dashboard:

- Developed an HRMS dashboard using React.js to manage employee records, attendance, and payroll.
- Integrated role-based access control, profile management, and salary calculations.
- Implemented real-time leave requests, approvals, and attendance tracking with a user-friendly interface.
- Secured the application using JWT-based authentication for login and signup.
- Created dynamic reports for HR analytics using charts and tables.

Calculator Application:

- Built a basic calculator using Python with object-oriented programming.
- Implemented functionalities for addition, subtraction, multiplication, and division.
- Handled invalid inputs and zero division with error messages.