
Work Experience

Python Developer Intern
Abhiwan Technology Pvt Ltd, Noida, Uttar Pradesh

Duration: 15/7/2024 – Present

- Designed and developed scalable web applications and backend functionalities using FastAPI, significantly enhancing performance by optimizing RESTful APIs, resulting in a remarkable 30% improvement in overall response times.
- Managed **MongoDB** database, boosting data retrieval efficiency by 25% through advanced indexing and query optimization.
- Participated in **DSU** meetings and provided updates on project progress, ensuring 100% project delivery within deadlines.
- Achieved a 95% on-time delivery rate by leveraging Agile methodologies to deliver software modules within strict deadlines.
- Enhanced software quality by reducing post-release defects by 20% through effective collaboration with QA teams.
- Implemented robust error-handling mechanisms and performed comprehensive code reviews, significantly improving overall system reliability by 15% and ensuring seamless integration of backend services with modern front-end applications.

Projects

Employee Monitoring Software [[Github Link](#)] [[User-Interface-Hosted](#)]

- Built a user-friendly Toga GUI for employees to Punch-in and Punch-out, achieving 95% user adoption and significantly reducing manual tracking errors by 40%, with seamless automated system startup integration for enhanced efficiency.
- Develop employee monitoring software in Python that tracked user activity and took screenshots of users every 10 minutes, where **2M+ records** data is stored in **MongoDB** and image management is supported by **ImageKit** achieve 95% accuracy.
- **Tech Stack:** HTML, CSS, JavaScript, jQuery, Python, **FastAPI**, MongoDB, **React**, **TOGA GUI**, Github.

Movie Recommendation System [[Github Link](#)] [[User-Interface-Hosted](#)]

- Implemented a movie recommendation application with machine learning, achieving 85% accuracy in suggesting movies based on user preferences, optimizing the recommendation algorithm, and improving user engagement with an ATS score.
- Utilized Python & data science libraries (**Pandas**, **Scikit-learn**, **NLP**) for data preprocessing, **vectorization** & model building.
- Enhanced user experience by providing accurate movie suggestions, achieving a recommendation accuracy of 92%.
- **Tech Stack:** HTML, CSS, Python, Streamlit, Flask, Machine learning, Github, Deploy (Streamlit).

Skills

- **Programming Languages:** Python, Data Structure and Algorithm, Javascript, **SQL**, **Shell Scripting**.
- **Libraries / framework:** Backend(Django-Rest and FastAPI), **React**, NLP, Numpy, Pandas, Scikit-learn, Tensorflow, Toga GUI.
- **Additional Courses:** Machine learning, Agile Methodology, Odoo, **AWS** (EC2, S3).
- **Tools & Technologies :** Git, Github, VS code, Jupyter notebook, MySQL, PowerBI, Docker, **Linux**.

Trainings | Certifications

Scaler Academy || Python and SQL for Data Science [[Certificate-Link](#)]

- Completed 8 modules of Python & Data Science [**Python**, SQL, **DSA**, fundamentals of DS, Data preprocess, Machine learning].

Udemy | Scaler || EDA and Data Visualization in Data Science [[Certificate-Link](#)]

- Completed a curriculum on Exploratory Data Analysis (EDA), data cleaning, and extracting insights from diverse datasets.

Education

Bachelor of Computer Applications (BCA)

Duration: 15/4/2022 – 15/4/2025

- Mangalayatan University, Aligarh, Uttar Pradesh
- Consistently maintained a **CGPA of 8.07**, ranking in the **top 10% of the class** (85th percentile).

Achievements and Co-Curricular Activities

- Contributed to 50+ diverse projects on GitHub across various technologies like Python, JavaScript, Data Science, and ML.
- Actively participate in various 'Kaggle' & 'Hackerrank' competitions and hold the 5-star coder on the Hackerrank platform.
- Accomplished coursework in Python, Database Management, Web Development, and Data Structures & Algorithms.