Shikha Pandey

shikhapandey.github.io
+91 XXXXXXXXXX| shikha.py36@gmail.com

EDUCATION

COLLEGE OF ENGINEERING ROORKEE
BTech| Information Technology
July 2016 - Sept 2020
GPA: 7

MODERN ERA PUBLIC SCHOOL
Grad: 2016

LINKS

Github:// **Shikha-code36**
LinkedIn:// **36-shikha-pandey**
Medium:// **pandeyshikha075**
Leetcode:// **shikha_pandey**
HackerRank:// **pandeyshikha075**

PROJECTS

JARVIS A.I
Jarvis AI is being developed keeping in mind the requirements of virtual assistant. So, I developed a virtual assistance to complete the Open-ended requests and can be used personally. I made this Web App using Python.
Utilized: Python

SKILLS

PROGRAMMING
- Python
- Flask | FastAPI | Django
- HTML | CSS | Javascript
- React.js | Bootstrap
- Data Structures and Algorithms
- OOPS Concepts
- Git and GitHub
- Amazon Web Services |Google Cloud Platform
- Docker | Redis
- MySQL | MongoDB | GraphQL
- Sockets| RabbitMQ| Apache Kafka

ACHIEVEMENTS

- **SPOT** Award for the contribution in Building and Delivering Rest API's in a short span of time
- Secured **3 rd** position in **CodeGeeks** HACKATHON

EXPERIENCE

NEOSOFT PRIVATE LIMITED | Software Engineer
Oct 2023 – Present| Noida, India
- Engineered a robust **Flask**-based microservices architecture on **Google Cloud Platform**, seamlessly integrating **Apache Kafka** for dynamic **real-time data** streaming.
- Led the integration of **FastAPI** and **websockets** for seamless communication, enhancing user experience with a focus on advanced **audio and video streaming** within the microservices framework.
- Optimized system efficiency and performance through the strategic use of **Celery** with **Redis** for background task execution and distributed processing, demonstrating a commitment to cutting-edge technology solutions.
Utilized: FastAPI, Docker, GCP, Flask, Apacha Kafka, Celery, Redis

ALTHEA.AI | Software Engineer
Sep 2021 – Sep 2023| Noida, India

- Designed and implemented a generic message entity for the entire system using the **Singleton Pattern**, ensuring flexibility and reusability in all projects
- Implemented asynchronous PDF processing using **RabbitMQ**, designing a consumer application to retrieve and process PDF documents from messages
- Utilized **AWS Lambda** to develop and deploy serverless functions, seamlessly integrating with other **AWS services** for efficient and scalable application development
- Proficient in working with databases such as **MongoDB** and **MySQL** using Python, ensuring efficient data storage and retrieval
- Created scalable web application code following best practices of accessibility and object-oriented design, adhering to the principles of **FastAPI** and **Flask** with implementation of **REST-based APIs** with secure authentication in a **microservice architecture**.
- Deployed the backend microservices on **AWS EC2** using **Docker** and **AWS ECR**
- Led projects from initial scoping and requirements gathering phases to successful launch, ensuring smooth project execution and timely delivery of solutions
Utilized: Python3, Flask, FastAPI, MySQL, Docker, Jenkins, AWS-EC2, Amazon CloudWatch, RabbitMQ

SCALEUP | Software Engineer
Jul 2021 – Sep 2021 | Chennai, India
- Made a python application for analyzing different parameters and elements of **CI/CD pipeline** aimed towards optimization and better performance of the pipeline
- Sped up common tasks by over **30x** after optimizing runtime complexities of CLI tools
- Implemented **REST** and **HTTP APIs** with authentication in Django.
- Responsible for fixing the existing bugs and building new features in the system
Utilized: Python3, Django, JavaScript, RASA, Jenkins

HCL TECHNOLOGIES | Network Analyst
Jun 2020 – Jul 2021 | Noida , India
- Troubleshooting issues of the Client and documented that
- Gave support and services to reduce the ticket counts of the Client's issue
Utilized: Service Now