

Shikha Pandey

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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](#)

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
- Docker
- MySQL | MongoDB
- Docker| RabbitMQ| Apache Kafka

ACHIEVEMENTS

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

EXPERIENCE

WISTELI INFORMATICS | A I ENGINEER- DEVELOPMENT

Sep 2021 – Present| Noida, India

- Developed and tested software prototypes, leveraging **FastAPI** and **Flask** frameworks, to evaluate and compare different architectural approaches
 - Refactored legacy codebase to implement standard **Exception Handling**, improve Unit Test coverage, and optimize methods for better performance
 - Designed and implemented a generic message entity for the entire system using the **Builder 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
 - Established a remote development environment using **Docker** and **bash** scripts, facilitating streamlined testing and coding processes for backend applications
 - Enhanced productivity by **20x** by introducing templates for **Directed Acyclic Graphs (DAGs)** in projects, reducing code duplication and improving code reusability
 - Took responsibility for designing and developing fast and scalable **REST-based APIs** with secure authentication mechanisms, utilizing the capabilities of **Flask** frameworks
 - 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
 - Did the POC of building chatbot using the **RASA** framework
- 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