

Gaurav Chand Singh

Software Engineer

A developer with strong sense of dedication, motivation and responsibility which has been utilized to achieve one's and organization's goals.



India

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garvneo.github.io/cv

WORK EXPERIENCE

Software Engineer - Python

Clarivate

09/2022 - Present

Achievements / Tasks

- Designed, developed and maintained microservices and automated data pipelines using python, flask and other related tech stacks, enabling: 1) Efficient data acquisition from diverse sources. 2) Seamless data ingestion, processing and analysis. 3) Streamlined communication with frontend applications through UI dashboard.
- Architecting, designing and implementing a *Machine Learning service* that will be able cater to different types of user requirements as per user input.
- Developed Python scripts to handle and store millions of data rows, ensuring effective large-scale data management.
- Implemented comprehensive unit testing and utilized Postman and Insomnia for thorough API testing and validation, ensuring high-quality and reliable backend functionalities.
- Leveraged legacy ML models to implement a relevant search results filtration/identification system based on user queries, ensuring accurate information retrieval.
- Spearheaded the exploration of generative AI (Google Gemini) integration to enhance result accuracy and user experience in the aforementioned use case.
- Developed POCs on use cases of Airflow and Snowflake.
- Utilized AWS cloud services to build scalable data storage and processing infrastructure. Led containerization efforts with Docker, streamlining operations for enhanced efficiency and maintenance.

System Engineer

Infosys

11/2020 - 09/2022

Tasks

- Responsibilities:** Developed and maintained end-to-end automation pipelines and APIs for Palo Alto Networks clients.
- Participating in scripting automation projects and ensured seamless documentation and project management using Azure DevOps.

Software Developer Engineer- Intern

Capgemini

02/2020 - 05/2020

Tasks

- Played a key role in the development of a Microblogging site project, leveraging Python, Flask, CSS, HTML, Bootstrap, and MySQL technologies.

EDUCATION

B. Tech - Computer Science & Engineering
PSIT [Dr. APJ Abdul Kalam Technical University]

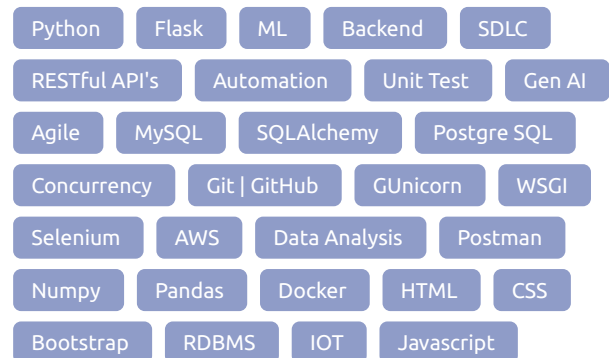
08/2016 - 10/2020

CGPA

- 8.7

INDIA

SKILLS



PERSONAL PROJECTS

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- Leveraged concurrency to develop projects in: 1. Parallel machine learning algorithms training, 2. Real-time TCP chatbots, 3. Concurrent web scraping.
- Designed and built **Elektra**, a smart tool leveraging python, ML and raspberry pi to provide an audio object identification for the visually impaired.
- Built and deployed a production-ready Flask RESTful API project with Python, Docker, Redis, Swagger, JWT, Marshmallow on Render.com.
- Built a micro blogging site using Python, Flask, HTML, CSS and Bootstrap.

Diverse Python Projects

- Demonstrated proficiency through the completion of over 25 mini projects spanning various domains and utilizing a wide range of Python libraries and frameworks.
- Projects include the development of micro websites, games, quizzes, analysis tools, automated jobs, and desktop GUI applications.

ACHIEVEMENTS

- Led cross-functional team of senior and junior developers in the absence of the team lead, ensuring project progress and team synergy. (2023 - Present)
- Infosys Certified Python Programmer. (2021 - Present)
- Infosys Certified Dev-ops Professional. (2021 - Present)
- Led coordination efforts for Smart India Hackathon, a large-scale pan-India tech fest.
- 5-5 Star badges in both 'Python' & 'SQL' on Hacker Rank coding platform.

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LANGUAGES

English



Hindi



HOBBIES & INTERESTS

