

SHRASTY GUPTA

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EXPERIENCE

TATA ELXSI Limited

JUL 2023 – Present

Software Engineer

Bengaluru, India

- Pioneered the development of scalable APIs in Python using Flask framework, RESTful APIs, and MongoDB.
- Developing Microservices and testing them using Python-pytest.
- Integrating data storage solutions like HashiCorp Vault and AWS Secret Manager, to store and manage secrets and ensure security for the secret files.
- Prepared detailed low-level implementation designs for microservices, defining data storage mechanisms and communication protocols.
- Architected high-level implementation strategies for microservices architecture, outlining service responsibilities and interfaces.
- Creating Docker files for the microservices that have been developed.

Project: NEURON

- NEURON is an Autonomous Network Platform.
- This solution powers the deployment and operations of the world's most advanced 4G/5G and fixed networks.
- Achieved a 200ms average response time for post creation and updates by designing and implementing efficient CRUD functions, enhancing user experience and enabling seamless item management for 10,000+ daily active users.

INTERNSHIP

TATA ELXSI Limited

JAN 2023 – JUN 2023

Software Engineer Trainee

Bengaluru, India

- During a 6-month internship with TATA ELXSI Limited, I applied my expertise of Python into practice with the real-world project.
- Designed microservices using Python-Flask, RESTful API, and MongoDB while collaborating on the platform's backend.

Indian Institute of Technology (IIT) Kanpur

MAY 2022 – JUL 2022

Summer Research Intern'22

Kanpur, India

- Research and Development in the areas of AI/Data Science.
- The goal was to build a ChatBot that understands user sentiments and tailors its responses accordingly.
- We integrate Sentiment Analysis into the ChatBot's logic to generate contextually relevant responses.
- Combining sentiment analysis and rule-based response generation enhances the user experience

Modius Consulting LLP

MAY 2021 – JUN 2021

Development Intern

Lucknow, India

- Spearheaded the integration of React Native into the tech stack, resulting in 20% faster app development cycles and enhanced user experience on both iOS and Android platforms.
- Designed and implemented an aesthetically pleasing and intuitive user interface, to enhance the overall user experience and engagement.

EDUCATION

National Institute of Technology Patna

OCT 2021 – JUN 2023

Master of Computer Application - CGPA - 9.03

Patna, India

Jagran College of Arts, Science and Commerce

JUL 2017 – NOV 2020

Bachelor of Computer Application - Percentage - 70.31%

Kanpur, India

SKILLS

Languages: Python, C, C++, SQL, NoSQL, PHP

Developer Tools: VS Code, Android Studio, PyCharm, Git, JIRA, Postman, MongoDB Compass Google Col

Technologies/Frameworks: HTML, CSS, NumPy, Pandas, Matplotlib, Node.js, React.js, React Native

Course Work: Data Structures & Algorithm, Database Management System (DBMS), Operating System, OOPs Concept, Web Development, Machine Learning

Soft Skills: Agility, Communication, Teamwork, Accountability, Time Management, Presentations

PERSONAL PROJECTS

Research Trend Prediction | Python, Machine Learning

NOV 2022

- This study predicts the most notable growth in research paper publications by analyzing data from the past ten years.

Prospect Encore Analysis | Python, MySQL

FEB 2020

- This project examines the prospects for a car showroom, with a target of propelling revenue by 100%.
- 3 Python Packages are used in developing this project: **NumPy, Pandas, Matplotlib.**

TRAINING & CERTIFICATIONS

PYTHON

JAN 2020 – MAR 2020

RCPL

A+

PHP with MySQL

JUL 2019 – AUG 2019

RCPL

A