

Ritvik Sharma

 github.com |  [linkedin.com](https://www.linkedin.com) |  www.ritvik-sharma.com |  ritviksharma4@gmail.com

EDUCATION

SRM Institute of Science & Technology (Rank 2 Amongst 2000+ Students) **2019 - 2023**
Bachelor's of Technology, Computer Science with Spec. in AI-ML *GPA: 9.86/10*

SKILLS & CERTIFICATIONS

Programming & Development AWS – Route53 + CloudFront + ECS + EC2, Python, Django, NodeJS, MySQL, MongoDB, gRPC, Git, Linux, Jenkins, Docker, Kubernetes
Machine Learning NLP, BERT, ALBERT, CRF, Slot-Filling + Intent Classification
Certifications [Harvard Entrepreneurship](#) , [NVIDIA Deep Learning](#)

WORK EXPERIENCE

Barclays Global Service Centre – Software Developer & DevOps **June 2023 - Present**

- Contributed to the **Successful launch of Barclays Cloud Platform** (NGCB), and contributed to **ArrowCard**, the first credit card on NGCB.
- **Saved \$15,000+ per month** by developing utilities ensuring optimal AWS Lambda usage
- **Reduced Error Resolution time by around 75%** by developing an error routing utility across domains using Python, IBM Netcool, SNS Topic and Subscription Filters
- **Optimized and Developed** automated CICD pipelines for smooth deployments with **63% higher success rates**.

Barclays Global Service Centre – Summer Internship **June 2022 - August 2022**

- Used Python and MongoDB to scan logs in Kibana and find the **most frequently visited journeys** to migrate from **on-premise to AWS**.
 - Journey: Login, Transaction and View Statement are some journeys
 - **Save cost** by finding out which services are rarely used to avoid deploying on AWS
 - Finding out which services are causing the most errors
- **Optimized and Reduced code complexity using SonarQube + Java by 31%**.

ACHIEVEMENTS & PROJECTS

[University Hackathon Winner: Mercury ChatBot](#) [Link to Demo](#)

- A Chatbot built using AIML technologies for finding food order details from a sentence such as I want **2 Veg Margherita Pizzas with Olives** from **Dominos**.
- **Designed and Implemented** the backend of the Mobile app made with Python, Flutter and using **ALBERT (LLM for NLP) and CRF (Probabilistic Prediction) and Speech To Text**.

[HyperSafety: Workplace Safety App](#) [Link to Demo](#)

- An app for monitoring People and flagging those without Masks to keep the Workplace Safe.
- **Designed and Implemented** the backend of the Mobile app where I worked on Face Detection and Recognition along with MySQL DB and NodeJS Backend.

PUBLICATIONS

Sharma, Ritvik (Dec. 2024). “VectorQuest: A Faster and Better Open-Domain Question-Answering System”. In: *Springer International*, pp. 1–11.