Ritvik Sharma

 github.com | 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, Kafka, JWT
Machine Learnnig	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.