Shoaib Ansari

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Experience

- **Fractal | AI@Scale | Missed Scan Detection — Pune, India** *Software Engineer | Nov 2021 - Present*
  - **Data Processing -** Created modules to record, truncate and upload .h264 streams to Azure Blob Storage.
  - **Privacy -** Implemented redaction mechanism for anonymity using deepstream container.
  - **Inference -** My team implemented the inferencing pipeline to detect the anomalies with F1-Score 0.86
  - **Deployment -** Deployed the workload on edge computing infrastructue to reduce the latency to 80%
- **TCS | Intel OpenVINO Integration — Kochi, India** *Software Engineer | Aug 2018 - Nov 2021*
  - **Operator Capability Manager -** Implemented integration for Intel OpenVINO with Microsoft tool ONNX Runtime which helps managing and running multiple unit of idempotent model Operators with dependencies on different environment, It is being used for all onnx based models.
  - **Automation -** Implemented CI pipeline with Jenkins job which helps in automation mechanism for failure cases and reporting, being used by client for other integration.

Programming Skills

- **Languages**: Python, C++, SQL, Shell Scripting **OO Design**: Solid principles, Design patterns
- **Tools**: VScode, Git, Github, Microsoft SQL Server
- **Technologies**: Microsoft Azure cloud services, Docker, DevOps, Jenkins, Django
- **Certification**: Python3 Programming# | Coursera | Ref - B5NETZ5ACU3S

Education

- **University of Pune | Army Institute of Technology** Pune, India
  Bachelor of Engineering in Information Technology; First class with disctinction *July 2014 – June 2018*
- **Higher Secondary Education** Uttar Pradesh, India
  Central Public School; First class with disctinction *April 2013 – March 2014*

Undergraduate Project

- **Breast Cancer detection | Mammograph - based Convolutional Neural Network | Deep Learning**
  My team Implemented CNN with extreme learning techniques for diagnosing breast cancer with ***accuracy of 82%.***
- **Object Detection using ARM based Microcontollers**
  Implemented Model Quantization to deploy the inference workload on Cortex-M microcontrollers

Awards and Achievements

- Ranked under Top 100 among 11000 participants in Contest held by Computer society of India.
- Secured 1st rank 2 times, 2nd and 3rd Rank several times in algorithmic contests held in different colleges.
- 98 percentile in Quantitative aptitude and 96.6 percentile in Computer Programming in AMCAT exam | Nationally.
- Solved 1000+ Algorithmic problems on different online Judges.