Palak Dhingra

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🎓 Education

Bharati Vidyapeeth's College Of Engineering   2014 – 2018
B.Tech, Computer Science & Engineering   *81.36%*

🧭 Experience

Hongkong and Shanghai Banking Corporation (HSBC)   July 2018 – Present
Software Engineer   *Pune, Maharashtra*

> Worked in the Global Private Banking, Data Services Team to Migrate Hadoop ETL onto GCP & AWS
> Lead the design and development of the customized infrastructure deployment code in python which creates/modifies various GCP services used to store, monitor ETL execution.
> Built a monitoring dashboard using DataStudio via BigQuery Connector on authorized views, to enable end users to visualize and perform data quality checks on transformed data.
> Using AWS Cloud Formation built a custom template for centralized management of resources like S3, VPC, DynamoDB in order to support consistent governance, security and compliance requirement.
> Using AWS CloudTrail with Kibana curated a dashboard to monitor audit logs and create security alarms.
> Migrated on-premise server to serverless AWS System comprising of API Gateway,DyanamoDB & Lambda which reduced devOps, cost, and maintenance, and enabled wide-reach to customers.
> Created bash & python scripts to perform data cleaning in hdfs using Control-M as job scheduler.
> Decreased batch processing time by 38% by restructuring SQL code and by redesigning the ETL process into smaller independent multiprocessing batches.

Indian Oil Corporation Ltd (IOCL)   July 2017 – Aug. 2017
Intern - Android Developer   *New Delhi*

> Developed an android application prototype, that helped to convert sign language into text and vice-versa, the objective was to enable real-time sign language detection.
> It uses CNN pre-trained model to predict the alphabet and AutoML Translation to translate into different languages.

⚗ Projects

AgroInc.

> Developed an android application, integrated with CNN pre-trained model to classify disease in plants and further recommend fertilizers to farmers to cure the land.
> Project grabbed the second position under Smart India Hackathon 2018 Initiative under Agriculture Sector.

PUBLICATION

> Published the Review Paper in INDIACom-2017, An empirical comparison and research on Neural Network model and its variants for TensorFlow framework using MNIST Database

☰ Skills

Languages Python, Java, Shell
AWS S3, Lambda, EC2, EKS, Gateway, DyanomoDB
GCP Cloud Storage, Compute Engine, Bigquery, StackDriver
Other HQL, Distributed Systems, Data Structures & Algorithms, OOPs

⚙ Awards & Certifications

AWS-Solution Architect Associate Level Jan 2020-2023
Innovative Star Recognized and appraised by Head & CEO of Global Private Banking for creating Automation Tools to perform Data Compliance & Data Validation Checks.
Agile Player Ranked Under Top 25 Engineers for consecutive 3 months in HTI India to produce bug free production deliveries and following the Agile Practise.