Lokesh Palacharla

Graduate Candidate with 5+ years of work experience | AWS CSAP | Data Analytics | Computer Vision | Machine Learning | AI

Phone: +1 617-869-9671   **Website:** lokeshpalacharla.com   **Email:** lokeshpalacharla@gmail.com

*A self-motivated data analytics graduate and **AWS certified Cloud Solutions Architect – professional**, with 5+ years of technical experience in computer science, engineering, and business development in highly competitive segments of the consumer appliances industry.*

EXPERIENCE

CIMCON Lighting.
Data Engineer   *Jan 2020 – Jul 2020.*

Built a multi-tenant robust visualization platform for smart cities in the USA and across the globe, utilizing **AWS IoT** stack.
- The cloud-based application mainly focused on public safety, environmental, safe mobility, waste management verticals.
- Analyzed the Air Quality across different regions by calculating the Air Quality Index, figured out the traffic prone regions across regions.
- Created interactive dashboards in Metabase, Quicksight, Power BI, Grafana. Implemented **Air Quality forecast** using **AWS ML stack**.

Tech Mahindra Ltd.
Software Engineer   *Aug 2016 – Dec 2018.*

- Developed an incentive accrual application plugin which enhanced the **efficiency** by **41%** and provided a solution in <3hrs
- Evaluated **sales & marketing** team's performance by preparing a semi-automated operations deck which keeps track of backlog tickets of the entire team and visualized them in **Tableau, exce**l.

EDUCATION

Northeastern University, Boston, MA.   GPA: 3.87   *Jan 2019 – Dec 2020.*
Master of professional Studies in Informatics with concentration in **Analytics**.

Relevant Coursework: Predictive Analytics, Data Mining, Data Visualization, Probability and Statistics, Data Base Management systems, Information technology Project management, Information Systems Design and Development, Systems and Network Administration.

SKILLS

Programming Languages:	SQL, PLSQL, Python, JAVA, Clojure, Lisp, R, Shell Script, PHP.
Databases:	My SQL, MongoDB Atlas, Azure, Cosmos DB, Postgres.
Operating Systems:	Linux, Mac OS, and Windows (XP, 2007,2008,2010).
Front-End Tools:	Angular JS, React, Node.js, bootstrap, jQuery.
Web Development:	HTML, CSS, JavaScript, REST API, Adobe Photoshop, Post Man.
Amazon Web Services:	S3, RDS, lambda, Athena, Glue, Dynamo DB, Cognito, IoT Analytics, Kinesis, IoT events, EKS, EC2.
Visualization Tools:	Tableau, Power BI, Metabase, AWS Quicksight, Grafana, SiSense, Looker.
Technical Tools:	Workbench, VS Code, SQL Developer, Spyder, Postman, Putty, WinSCP, Visual Studio, Cloudberry, Eclipse.
Containerization Tech:	Docker, Microsoft container, Kubernetes, Swarm, BlockBridge.

PROJECTS

Ionosphere Signal Predictions   *Jun 2020 - Aug2020.*
- The objective of the project is to measure the accuracies of 'good' instances and 'bad' cases by feeding the dataset to **KNN, GLM, decision trees**.
- Implemented ensambling techniques to **improve the overall performance** of the models to 94%.

StreetVibe Cloud for IoT Sensors   *Jan 2019 - Mar 2019.*
- Worked on implementing alerting module for **gunshot detection, object left behind** use cases by sending out **alerts** to City admins.
- Developed a communication channel between **MongoDB atlas** cluster with a Java based visualization tool through **MySQL BI** connector.

Alcohol Effect – Student Grades   *Jun 2019 – Aug 2019.*
- **Predicted alcohol effect on grades**. Alcohol consumption on weekdays, will reduce the expected average grade from 11.22 to 10.88
- Alcohol consumption on weekends, will reduce the average predicted grade from 11.19 to 11.17

Firepower Tool - Legacy and ERP Support   *Apr 2017 – Dec 2018.*
- Mainly worked on **commissioning and reporting module (Finance)** of the project which deals with calculating the sales done by the company and populating reports for the forecasting of the sales.
- Fixed **2M$ sweet reward accruals** of the ASM's which were missing in Firepower and brought it in sync with Spiff application.