**Jayesh Chavan**

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**SUMMARY:**

AI Master's candidate and seasoned engineer, excelling in end-to-end AI solutions with formidable fullstack prowess. Empowering innovation for companies with focus on machine learning operations.

**EDUCATION:**

Northeastern University, Boston: *Master’s in Applied Machine Intelligence* **August 2023 - March 2025** Coursework: Deep learning, Data Mining, Applied AI, Statistics and Probability, Linear Algebra, Calculus

MIT, Pune University: *Bachelor of Engineering, Computer Science and Programming (B.E in CS)* **May 2016**

**SKILLS:**

**Technical:** Python, Node, React, MongoDB, SQL, Spark

**Data Skills:** Tensorflow, TFX, Beam, Airflow, Kubeflow, OpenCV, Keras, PyTorch, Pandas, Scikit-learn

**Cloud Services:** BigQuery, Vertex AI, GCP, Azure **Tools:** MLOps, Tableau, PowerBi, GitHub, JIRA, DevOps

**CERTIFICATIONS & COURSES:**

GCP Professional Machine Learning Engineer **Expected** **Feb 2024**

Certified GCP Professional Cloud Architect(Udemy) [UC-b0818312](https://jaykc.dev/certificates/gcp.pdf) **May 2023**

**RESEARCH & PROJECTS:**

* Expert in containerized AI pipelines with TFX, Airflow, and KubeFlow. Specialized in Edge and Hybrid cloud deployments, emphasizing version control with CI/CD and robust model monitoring.
* Engineered large-scale ML solutions on GCP & Azure, proficient in crafting continuous optimization GPU/TPU strategies for peak model performance.
* Built and deployed Deep Learning classification & prediction models performing EDA, feature engineering, model optimization focusing on enhancing performance iteratively for various case studies..
* Created an innovative gesture painting application combining hand landmark detection and painting tools.

**WORK EXPERIENCE**

**KPMG Global Services, India |** *Assistant Manager* **January 2021 - August 2023**

* Led full stack product development of ESG IQ a data analytics platform, computing ESG footprint using terabytes of structured and unstructured data utilizing Python, Tensorflow, BigQuery for advanced analytical dashboards.
* Defined and tracked key product performance metrics such as user engagement, retention, and churn with A/B tests.
* Built IIoT on-premise predictive analytics dashboards for ConocoPhillips for quick decision-making.

**Kaalpanik Technologies LLP, India |** *Sr. Software Engineer & Founder* **June 2016 - April 2021**

* Developed a predictive data analytics solution on the EDGE for Oil & Gas MNC to analyze historical sensor data, which helped reduce $8.5M in maintenance costs annually.
* Collaborated on building full-stack IoT ML-driven products for energy and manufacturing MNCs
* Demonstrated expertise in multi-cloud architecture, CI/CD pipeline automation, and Agile SDLC management. Optimizing cloud costs and robust product delivery.

**AWARDS and ACHIEVEMENTS:**

* Awarded **Northeastern University Tuition Scholarship** for the Master’s in Applied Machine Intelligence Program
* **Cost-Saving Excellence** - Received Star Award data analytics solutions, resulting in annual cost savings of $8.5mn