

# ANUPAM MAJHI

Advanced Tech Lead | MLOps, DevOps, Cloud | MS Machine Learning & AI | PGD in Data Science | B.E. Computer Science

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Experienced architect and engineer with more than 12 years of proven track record in delivering high-availability, scalable, data-driven business applications across multiple Cloud and on-prem environment. Proficient in Machine Learning and DevOps practices & methodologies, CI/CD solutions, and Cloud technologies. Skilled in programming, IaC, and automation. Strong leadership background, driving DevOps implementation, automation, mentoring teams, and collaborations. Passionate about emerging technologies, especially Data Science, ML, and AI.

## KEY SKILLS

**Programming/Scripting:** Python, NodeJS, Bash, PowerShell, SQL, NoSQL, HTML, CSS, JS, ReactJS, Golang, C#, Java, R

**DevOps and Cloud:** AWS, Azure DevOps, Terraform, Docker, Kubernetes, OpenShift, Chef Inspec, CI/CD, Jenkins, Git, Ansible, Serverless Architecture, Microservices, Artifactory, Maven, Veracode, Databricks, ELK, Linux, Windows

**RPA & Process Automation:** MS Orchestrator, Azure Automation, Windows Azure Pack, UiPath

**Machine Learning:** MLOps, DataOps, AIOps, Data Modelling, Regression, Classification, Clustering, Deep Learning, Natural Language (NLP)

## WORK EXPERIENCE

**Advanced Technical Lead (AI/ML Engineering) – Aptiv, Bangalore**

**Sept 2024 – Present**

- Designed and implemented optimized Machine Learning workflows and data pipelines with Airflow, MLflow etc. to improve data processing and model training time by 70%.
- Implemented pipelines for Model Conversion, Inference and KPI generation.
- Led multi-cloud and On-prem Machine Learning solution design and implementation efforts.
- Developed and managed Kubernetes based multi-cluster batch processing orchestration application.
- Designed and delivered actionable data analytics pipelines and interactive visualizations that provided AI product leadership with critical insights into user engagement, growth trajectories, and ROI metrics.
- Designed and implemented prototypes of several MCP servers and AI Agents.

**Assoc. Technical Lead – First American India, Bangalore**

**Jul 2019 – Aug 2024**

- Spearheaded the design and development of multi-Cloud Account Vending Machine improving lifecycle deployment and decommission efficiency by about 85%.
- Lead the setup and management of AWS, Terraform, Kubernetes, & Jenkins to architect innovative solutions.
- Develop Full Stack infrastructure automations utilizing Python, NodeJs, CI/CD, and GitOps.
- Led monitoring integration for migrated applications to cloud through CloudWatch, CloudTrail, Kinesis, SolarWinds.
- Migration & configuration of on-premise applications to hybrid cloud, with overall savings of \$13 million per year.
- Developed process automation portal utilizing C#, AngularJS, SQL, DynamoDB, NodeJS, and Python for alert disaster recovery and live status of DR swings in detail that helps in tracking any discrepancies and troubleshooting.
- Championed Disaster Recovery workflow automation, orchestration, and RPA.
- Designed APIs using C#, NodeJS, API Gateway, MuleSoft, SQL, DynamoDB and other technologies.
- Mentored and trained engineers to foster a culture of growth with improved efficiency and communication.

*Senior Engineer – HCL Technologies, Bangalore*

*Apr 2016 – Jul 2019*

- Managed design, development, and automation of Shared Cloud Services for clients including Volvo, Leo Pharma, and Techem.
- Pioneered solutions for Data Storage/Backup Failure prediction and reporting. This prevented missing backups and recovery of multiple instances which otherwise were missed due to inadequate reporting and monitoring.
- Orchestrated automation of request-to-platform delivery and server deployment, significantly reducing delivery time.
- Integrated monitoring infrastructure and developed SLA report generation portal.

*Engineer (Corporate Process & IT) - Volvo, Bangalore*

*Aug 2013 – Mar 2016*

- Utilized predictive analysis to forecast space capacity issues, leveraging Python, PHP, and Postgres.
- Improved capacity management, reducing infrastructure issues by 60%. Achieved using improved predictive analysis and alerting.
- Developed predictive models and dashboards, enhancing system accuracy by 81%.
- Crafted custom portals for reporting and dashboards, employing Python, Apache, IIS, and Microsoft's System Centre suite.

## CERTIFICATIONS

<i>Professional Scrum Product Owner I (PSPO)</i> – Scrum.org	2024
<i>Terraform Associate (003)</i> – Hashicorp	2023
<i>Azure Administrator Associate</i> – Microsoft	2023
<i>DevOps Professional</i> – Edureka	2017

## EDUCATION

<i>MS in Machine Learning and AI</i> – Liverpool John Moores University	2025
<i>PG Diploma in Machine Learning and AI</i> – International Institute of Information Technology, Bangalore	2019
<i>PG Diploma in Data Science</i> – International Institute of Information Technology, Bangalore	2018
<i>B.E. in Computer Science &amp; Engineering</i> – KSIT (Visvesvaraya Technological University), Bangalore	2013

## HONORS AND AWARDS

<i>Best Performer - Annual Award</i> – First American India	2021
<i>Top Idea - Orange Garage Annual Awards</i> – First American India	2020
<i>FAI Best Performer - Quarterly Award</i> – First American India	2020
<i>Competence Excellence Award</i> – Volvo	2015