

MOHAMMAD AMIL KHAN

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Professional with hands-on experience in cloud data platforms, analytics, data integration, and CI/CD automation. Pursuing a master's in machine learning and mathematical modeling, building expertise in applied ML, data analytics, and MLOps. Seeking graduate opportunities to deliver data-driven solutions and business impact.

Professional Experience

Cubastion Consulting Pvt. Limited | Gurgaon, India

Senior Associate Consultant

[Apr 2022 – Aug 2025]

Project: Mitsubishi Fuso Central Customer Portal Salesforce

- Implemented zero-copy data solutions in Salesforce Data Cloud, integrating Azure Databricks data to provide unified, governed datasets for improved accessibility and analytics.
- Developed dashboards in Analytics Studio to visualise event logs and monitor user engagement, enhancing system performance and supporting compliance monitoring.
- Managed Git/GitHub repository and branching (feature, hotfix); reviewed pull requests, merged multi-team changes, resolved conflicts, and coordinated production deployments.
- Explored Agentforce capabilities for service automation through case studies and demos, mapping use cases and success criteria to guide implementation.
- Implemented Bulk API v2 for scalable data ingestion and built a secure Azure Blob file-upload integration with validation and reducing manual effort and errors.

Associate Consultant

Project: Mobily DevOps

- Coordinated with cross-functional teams to gather requirements and produce BRDs, project timelines, and system architecture diagrams, aligning scope and deliverables.
- Managed Bitbucket repositories with a clear branching and PR workflow, and maintained release notes/runbooks in Confluence to keep changes traceable and auditable.
- Streamlined CI/CD by integrating Jira, Bitbucket, and Bamboo with shell-scripted steps to automate build, test, and deploy, reducing manual effort by 40%.
- Led the team to implement a CI/CD rollout that stabilised releases and reduced manual effort; recognised with a company leadership award.

Project: Mitsubishi Fuso Center for Competency Salesforce

- Designed and documented data models (objects, relationships) and validation rules for case/service datasets, enhancing data integrity and enabling reliable analytics and reporting.
- Built custom dashboards using SOQL and Apex to track ticket resolution trends, escalation levels, and vehicle uptime, delivering insights that improved operations and service quality.
- Facilitated cross-team code integration using Git and GitHub, streamlining merges and release coordination for consistent deployments.

Vedanta Limited | Jharsuguda, India

Assistant Manager

[Jun 2018 to Aug 2020]

- Analyzed maintenance reports across 42 machines to isolate root causes, translating insights into targeted actions that reduced unplanned downtime and improved reliability across operations.
- Collaborated with shift leads to convert root-cause findings into preventive tasks, lowering delays by 20% and improving service levels through clearer prioritization and handovers.
- Prepared weekly KPI summaries on uptime, downtime, and resolution time, helping teams act quickly and keep availability above 99%.
- Led a 5S continuous improvement initiative that lifted the PTM maintenance team's performance score from 52% to 75%, reinforcing standardized processes and visual controls.

Education

Msc in Mathematical Modelling and Machine Learning

[Sep 2025 - Present]

University College Cork, Ireland

- **Key Modules:** Open Source Infrastructure for Modelling Data , Complex Neural Networks, Machine Learning and Statistical Learning, Machine Learning with Applications .
- **Project:** Developing a project using K-Means clustering to segment customers based on financial transaction data.

B Tech in Mechanical Engineering, CGPA: 7.7/10

[Aug 2014 to May 2018]

National Institute of Technology Patna, India

- **Major Project:** Optimised a pneumatic cutting machine, improving performance metrics and earning an A+ grade. Collaborated with teammates to tackle challenges effectively.
- **Industrial Training:** Completed a two-month summer training at **Hindustan Aeronautics Limited**, focusing on quality assurance for engine components, ensuring compliance with standards and strengthening system reliability.

Certification

- Microsoft Azure Data Scientist Associate Professional Certificate
- Salesforce Certified AI Associate , AI Specialist and Data Cloud Consultant

Skills

- Python (NumPy, Pandas, Matplotlib, Scikit-learn)
- SQL, R , C++
- Microsoft Azure, Google Cloud Platform (GCP), BigQuery, Salesforce Data Cloud
- Git, GitHub, GitLab, Bitbucket
- Jenkins, Bamboo, Azure DevOps
- Docker, shell scripting, batch scripting
- REST API integrations
- Jira, Agile, DevOps methodologies
- Salesforce Analytics Studio, Tableau, dashboard development
- Data cleaning and preprocessing

Co-Curricular Activities and Achievements

- As a National Service Scheme member, coordinated a Cleanliness Awareness Drive and organised a Blood Donation camp, fostering community engagement and encouraging participation.
- Directed after-college teaching sessions for 150+ underprivileged children under Sankalp, collaborating with student volunteers and alumni to secure academic resources and provide support.
- Partnered with a multidisciplinary team to design and develop a Formula One-style race car for SUPRA SAE-India at NIT Patna, contributing technical solutions throughout the project.
- Awarded 1st Prize in the Design Innovation Competition (IIT Kharagpur, MHRD Sponsored), representing NIT Patna.