

# Abdul Basit

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## Supply Chain Expertise

Experienced and detail-oriented Procurement Specialist with extensive expertise in supply chain management, strategic sourcing, and contract negotiation. Proven ability to optimize procurement operations, foster long-term vendor partnerships, and drive cost-effective acquisitions while ensuring compliance with procurement policies. Demonstrated success in improving supply chain efficiency, aligning procurement strategies with organizational goals, and implementing data-driven solutions for inventory control and supplier performance evaluation. Skilled at leveraging technology to enhance operational efficiency, streamline procurement processes, and support organizational growth.

## Artificial Intelligence, Data Analytics & Machine Learning Expertise

Microsoft-certified professional with deep expertise in Artificial Intelligence, Machine Learning, and Power Platform solutions, including Power BI and Power Automate. Successfully delivered projects across NLP, computer vision, and predictive modeling to address complex business challenges. Developed a range of Power BI dashboards, transforming raw data into insightful visualizations for executive reporting and KPI tracking. Created custom applications on Power Platform, integrating Power Apps and Power Automate to automate workflows, reduce manual overhead, and enhance operational efficiency. Key achievements include building AI-driven models for customer engagement, quality assurance, and process automation, empowering data-informed decision-making and driving strategic growth.

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## KEY COMPETENCIES (SUPPLY CHAIN)

Strategic Sourcing & Procurement	Contract Negotiation
Supply Chain Optimization	Contract Management
Supplier Relationship Management	Risk Management & Compliance
Inventory Management & Control	Data-Driven Decision Making
Cost Reduction & Efficiency Improvement	Process Improvement (Lean Six Sigma)
Sustainability & Ethical Sourcing	Cycle Time & Lead Time Reduction
Logistics & Distribution	Lean Principal

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## KEY COMPETENCIES (ARTIFICIAL INTELLIGENCE)

Artificial Intelligence	Machine Learning	Data Science
Advanced Analytics	Deep Learning	KPI Tracking
Computer Vision	Image Recognition	Natural Language Processing
Text Analytics	Power Apps	Workflow Automation
Microsoft Power Platform	Business Intelligence	Data Visualization
Predictive Modeling & Forecasting	Dashboard Development	Process Optimization

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## PROFESSIONAL EXPERIENCE

### Karachi Nuclear Power Plant

Nov 2017 - Present

#### Head Procurement

##### Strategic Procurement Leadership:

- Spearhead procurement strategies that align with the plant's long-term operational goals, implementing cost-saving initiatives without compromising on quality or safety.
- Lead the development of high-value contracts for critical materials and services, ensuring alignment with operational priorities, regulatory requirements, and budget constraints
- Lead high-level negotiations with critical suppliers, securing favorable terms that support the plant's operational continuity and compliance with nuclear standards.

##### Strategic Sourcing and Supplier Management:

- Identify, evaluate, and select suppliers capable of meeting nuclear industry standards for quality, safety, and reliability.
- Establish and maintain relationships with a global network of vetted suppliers, ensuring access to specialized components and services vital to nuclear plant operations.
- Negotiate long-term supply contracts to secure favorable pricing, delivery schedules, and terms, ensuring suppliers meet both technical specifications and regulatory requirements.
- Conduct regular audits and performance reviews of suppliers to maintain high-quality standards and mitigate risk

##### Regulatory Compliance and Quality Assurance:

- Ensure all procurement activities comply with nuclear regulatory standards, safety guidelines, and industry codes.
- Implement quality assurance protocols for procured materials and parts, collaborating closely with Quality and Safety teams to ensure compliance with environmental and safety standards.
- Prepare and manage documentation for internal and external audits, ensuring transparent and accurate records of procurement activities.

##### Inventory Management and Demand Planning:

- Forecast demand and manage inventory to support both planned and unplanned maintenance activities, ensuring the availability of critical components without excessive inventory carrying costs.
- Implement Just-In-Time (JIT) inventory practices where feasible, reducing inventory levels while maintaining readiness for emergency repairs or replacements.
- Utilize inventory management software (ERP) to track and optimize stock levels, avoiding shortages or overstocking of critical items.

##### Logistics and Warehouse Operations:

- Oversee the storage, handling, and transportation of materials within the plant, ensuring compliance with strict handling protocols for sensitive equipment and hazardous materials.
- Lead logistics to secure timely and efficient delivery of procured items, mitigating risks of delays that could impact plant operations.
- Manage warehouse operations to maintain safe, organized, and efficient storage conditions for high-value and sensitive components, including radiation-shielded storage where necessary.
- Ensure warehouse safety protocols align with nuclear safety standards, providing training on proper handling and storage for sensitive equipment.
- Optimize space utilization, inventory storage, and retrieval processes within the warehouse to support efficient access to critical materials.

**Risk Management and Supplier Redundancy:**

- Develop risk management strategies for the supply chain, identifying and addressing potential disruptions in sourcing critical materials and components.
- Establish supplier redundancy by cultivating alternative sources for key components, particularly those essential to plant safety and reliability.

**Cost Control and Budget Management:**

- Drive cost-saving initiatives without compromising quality or safety, tracking expenses to align with budgetary targets and operational goals.
- Analyze spending patterns and procurement data to identify areas for efficiency improvements, working with finance to create cost forecasts and manage expenditures.

**Stakeholder and Cross-functional Collaboration:**

- Work closely with operations, engineering, maintenance, technical and safety teams to understand their requirements and align procurement activities with operational objectives.
- Act as a liaison with external regulatory bodies to ensure transparent procurement processes and support regulatory audits.

**Continuous Process Improvement:**

- Evaluate and improve procurement, logistics, and warehousing processes to enhance efficiency, reduce lead times, and increase overall supply chain resilience.

**Supplier and Material Qualification:**

- Manage the qualification process for new suppliers and materials, coordinating with engineering and quality assurance to validate items critical for nuclear plant operations.
- Conduct periodic assessments of materials and components, ensuring ongoing compatibility with plant specifications and safety standards.

**Supply Chain Audit and Quality Assurance Lead**

- Led internal audits, quality assurance, and external audits for the supply chain in partnership with Finance, ensuring compliance and operational efficiency. Conducted evaluations to enhance procurement and logistics processes, driving continuous improvement and alignment with financial goals.
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**Karachi Nuclear Power Plant****Jan 2014 - Oct 2017****In-Charge Procurement**

As the incharge of Procurement at a nuclear power plant, I lead procurement efforts to secure specialized materials and services essential for safe and reliable plant operations. My role encompasses developing sourcing strategies that meet stringent regulatory and quality standards, securing long-term vendor agreements that ensure consistent access to high-quality, nuclear-grade components. A key focus is maintaining meticulous documentation for compliance, including detailed records of procurement activities, supplier contracts, and audit-ready reports in alignment with nuclear industry standards. I lead internal and external audits, collaborating with finance and regulatory bodies to ensure full adherence to nuclear safety regulations, identifying improvement areas to strengthen audit readiness and operational resilience. Risk management is a critical component, involving protocols for supply continuity, alternative sourcing for essential materials, and contingency planning to mitigate supply disruptions. I implement process improvements using data analytics and digital tools to optimize accuracy, transparency, and efficiency within the procurement lifecycle. Additionally, I mentor a skilled procurement team, instilling rigorous standards for documentation, supplier management, and compliance, all of which contribute to supporting the nuclear plant's long-term safety, regulatory, and performance goals.

**Deputy Assistant Manager (Operations)**

As the Shift In-Charge in operations at a paper production plant, I oversee all aspects of the production process during my assigned shifts, ensuring that operations run smoothly and efficiently from raw material preparation to final product delivery. My responsibilities include managing a team of operators and technicians, providing leadership and support to foster a safe and productive work environment. I monitor production metrics closely, analyzing performance data to identify bottlenecks and implement corrective actions to optimize workflow. My role also involves ensuring adherence to quality control standards at each stage of the manufacturing process, from pulping and refining to drying and finishing, conducting regular inspections to maintain product integrity. I actively troubleshoot equipment issues, coordinating with maintenance teams to schedule preventative maintenance and minimize downtime. Additionally, I maintain accurate documentation of production output, quality metrics, and safety compliance, preparing detailed shift reports for management. Under my leadership, I have implemented standardized operating procedures that have resulted in increase in productivity and reduction in workplace incidents, all while fostering a culture of continuous improvement and teamwork that enhances operational performance and prepares our team for future challenges in the paper production industry.

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## EDUCATION

**NED University, Pakistan | 2012**

Bachelors of Engineering (Chemical)

**Adamjee Govt. Science College | 2008**

Higher Secondary College (H.S.C)

**Crescent Bahria Cadet College | 2006**

Secondary School Certificate

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## SUPPLY CHAIN RELATED COURSES/ CERTIFICATIONS

- **Certified Lean Six Sigma Green Belt** - *Pakistan Institute of Management*
- **Nuclear Leadership and Safety Culture**- *World Association of Nuclear Operators (WANO)*
- **Supply Chain for Manufacturing** - *Massachusetts Institute of Technology, USA*
- **Supply Chain Fundamentals** - *Massachusetts Institute of Technology, USA*
- **Supply Chain Design** - *Massachusetts Institute of Technology, USA*
- **Professional Diploma in Supply Chain Management** - *Pakistan Institute of Management*
- **Audit Observation and Solutions** - *Institute of Tender Management*
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- **Problems and Solutions in Public Procurement** - *Institute of Tender Management*
- **How to prepare Evaluation Criteria and Specifications** - *Institute of Tender Management*
- **Quality Management 9001**, *Directorate of Worker's Education*

## AI & DATA SCIENCE RELATED COURSES/ CERTIFICATIONS

### **MICROSOFT**

- *Microsoft Certified: Power Platform Functional Consultant Associate*
- *Microsoft Power Up Program, Power Platform*
- *Microsoft Certified: Azure Data Scientist Associate*

### **UDACITY**

- *Intel Edge AI for IoT Developers Nanodegree*
- *Machine learning engineer with Microsoft Azure Nanodegree*
- *AWS AI/ML Nanodegree*
- *AWS Machine Learning Fundamentals*

### **DeepLearning.ai**

- *Machine Learning Engineering for Production (MLOps)*
- *Deep Learning Specialization*
- *AI for Medicines Specialization*
- *DeepLearning TensorFlow Developer Specialization*
- *Advanced Tensorflow Specialization*

### **DataCamp Career Track**

- *Data Scientist with Python*
- *Data Engineer with Python*
- *Machine Learning Scientist with Python*
- *Data Analyst with Python*
- *PowerBI Developer*

### **STANFORD UNIVERSITY**

- *Machine Learning*

### **Google**

- *Crash Course on Python*

### **CISCO**

- *PCAP Programming Essentials in Python*

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## Technical Proficiencies & Software Expertise

- **Programming Languages:** Python, SQL, DAX (for Power BI)
- **Machine Learning & AI Libraries:** TensorFlow, Keras, scikit-learn, PyTorch
- **Data Processing & Analysis:** Pandas, NumPy, SciPy
- **Natural Language Processing:** NLTK, spaCy, Transformers, Gensim, Hugging Face

- **Computer Vision:** OpenCV, PIL (Python Imaging Library), TensorFlow Object Detection API, YOLO
- **Business Intelligence:** Microsoft Power BI
- **Microsoft Power Platform:** Power Apps, Power Automate, Power BI Service, Dataverse, Sharepoint, Power Virtual Agents (PVA), Power Pages, AI Builder
- **Cloud Platforms:** Microsoft Azure, AWS , Google Cloud Platform
- **Database Management:** SQL (MySQL, PostgreSQL, SQL Server), NoSQL
- **Visualization:** Matplotlib, Seaborn, Plotly, Power BI Custom Visuals
- **Version Control:** Git, GitHub
- **Workflow & Automation Tools:** Power Automate
- **Deployment & Model Serving:** Docker, Kubernetes, FastAPI, Azure ML Deployment
- **Intel® OpenVINO™ Toolkit:** A comprehensive suite for optimizing AI workloads, particularly for computer vision and deep learning applications across Intel® architecture, including CPUs, GPUs, VPUs, and FPGAs.

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## NOTABLE PROJECTS & CONTRIBUTIONS

### **Employee Performance and Productivity (Onyx October 2024 challenge)**

*Analysed the dataset on 'Employee Performance and Productivity,' and prepared a Dashboard providing insights into demographics, employee salaries, key KPI trends, satisfaction, and performance*

### **Electric Vehicles Dashboard (Codebasic Resume project challenge)**

*Provided insights to an automotive company on Electric Vehicles launch*

### **Fitness Company Dashboard (Onyx August 2024 challenge)**

*Analyzed dataset of a fitness company that sells various sports products like Nutrition & food supplement , Sportswear, and Sports Equipment*

### **Microsoft Power Up Program- Final App Challenge (Ecommerce Application)**

*Created a canvas and model driven application with help of Power Platform for a shoe company and created end to end solution for the business need.*

### **Christmas Sales and Trends Dashboard (December Onyx and Zoomcharts Challenge )**

### **Youtube Dataset - November Onyx and ZoomCharts challenge**

### **Spotify Most Streamed Songs Dashboard ( October Onyx and ZoomCharts Challenge )**

### **Creating an Automated Redaction Wizard That Utilizes Optical Character Recognition in AI**

*Collaborated in the Omdena AI Challenge. The team built a document reduction pipeline that included collecting, processing and labeling a custom data set, training and testing multiple state of the art NLP models and building a training pipeline allowing the model to improve its performance over time.*

### **Applying Machine Learning for Body Weight Readings to Indicate Well-being of Elderly**

*Collaborated in the Omdena AI Challenge and created a solution to extract insights from biomarker and sensor data, trained and evaluated 20 different machine learning modes with that data, deployed an interactive dashboard created, created a Flask API and developed a fully coded pipeline for a REST API*

### **Capstone Project- Azure Machine Learning Engineer**

*Created two models 1) Automated ML 2) Hyperdrive whose parameters are tuned. Then we compare the performance of both models and deploy one of them as HTTP REST endpoint. Once the model is deployed successfully we then test the endpoint Azure ML Studio graphical interface is not used in this project, we use python SDK notebooks to complete the project.*

### **Operationalizing Machine Learning by Azure**

*In this project I used Bank Marketing Dataset of Portuguese banking institution. Primary task is classification and I have predicted if the client will subscribe a term deposit. Dataset consists of 20 features and 32,950 rows. I used Azure to configure a cloud based machine learning production model, deploy it and consume it. Then I create, publish and consume a pipeline.*

### **Computer Pointer Controller Application**

*Application that control computer mouse pointer by using four different Intel pretrained models and Intel OpenVino toolkit*

### **Smart queuing systems**

*Smart queuing systems for the retail, manufacturing and transportation sectors using the Intel® DevCloud for the Edge on different hardware*

### **Person Counter Application**

*Person Counter Application uses Intel Pre trained person detection model and Intel Openvino Toolkit to count person in a frame and also his/her stay time*