

ATUL BHARDWAJ

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EDUCATION

Masters in Computer Science — Data Science Specialization <i>Seattle University — GPA - 3.6</i> <i>Courses: Artificial Intelligence, Machine Learning, Data Science, Big Data Analytics, Visual Analytics, LLM</i>	Seattle, WA <i>Expected - Jun 2026</i>
Bachelor of Technology — Computer Science Engineering <i>Maharshi Dayanand University — GPA - 3.5</i>	Haryana, India <i>Sep 2020 - May 2024</i>

CERTIFICATION

• AWS Certified Machine Learning Engineer - Associate:	Actively Preparing
• AWS Certified Solutions Architect - Associate:	February 2026
• AWS Certified Cloud Practitioner:	February 2026
• AWS Certified AI Practitioner:	February 2026

TECHNICAL SKILLS

• Programming Languages:	Python, SQL, PySpark, Scala, Shell Scripting (Bash), R, JavaScript
• ML & AI Frameworks:	Scikit-learn, TensorFlow, PyTorch, Time-Series Forecasting, Clustering
• Cloud & AI Services:	AWS (SageMaker, Bedrock, Lex, Lambda, S3, EC2, Glue, EMR, Athena), Azure ML
• Data & Analytics:	Data Modeling, ETL Pipelines, Apache Spark, Hadoop, Tableau, Power BI
• Databases:	PostgreSQL, MySQL, DynamoDB, CosmosDB, Hive (HQL), Microsoft Access
• Tools & Practices:	Git, GitHub, Docker, Linux/Unix, Jira, Agile, Model Validation & Monitoring

EXPERIENCE

• Data Science Consultant <i>Statistics Without Borders</i>	Seattle, WA <i>Sep 2025 - Present</i>
◦ Advise cross-functional teams on data strategy for Women in Sport initiative (14+ datasets, n > 2,200), providing technical guidance, quality assurance of reports, and recommendations that inform management decisions.	
◦ Translated complex statistical results into executive-ready visualizations and presentations, enabling non-technical stakeholders to make data-driven decisions on program design and resource allocation.	
◦ Mentored 7 cross-functional project teams on reproducible data workflows, statistical best practices, and compelling data storytelling, strengthening organizational analytics capabilities.	
• Operations Technician & Customer Service Specialist <i>Seattle University</i>	Seattle, WA <i>Jun 2025 - Present</i>
◦ Engage directly with customers and departments as a retail clerk, fulfilling service needs, training new front desk student employees, and collaborating with IT teams to troubleshoot networking and printer issues.	
◦ Developing an AWS RAG chatbot using Bedrock (LLM integration), Lambda, and S3 to help students access campus services, applying NLP techniques including text preprocessing, embedding generation, and retrieval-augmented generation, expected to improve response time from hours to seconds.	
◦ Analyzed parking demand and departmental request data using Python libraries and clustering analysis, created Power BI dashboards, and presented findings with clear visualizations to the Director and manager to guide data-driven operational improvements.	

RELEVANT PROJECTS

• YouTube Trending Analytics - AWS Data Lake	Dec 2025
◦ Built serverless data lake on AWS processing 1,000+ videos across 5 regions using S3, AWS Glue, Lambda, and Athena for automated ETL and SQL analytics.	
◦ Reduced query costs by 80% and storage by 75% through Parquet conversion, Hive-style partitioning, and event-driven automation with IAM-secured Lambda functions.	
• Amazon Lex Banking Chatbot Development	Nov 2025
◦ Built a conversational AI chatbot with custom intents and slot types for banking transactions, Lambda integration for dynamic responses, and context tags for multi-turn conversations.	
◦ Automated infrastructure deployment using CloudFormation for repeatable, version-controlled provisioning.	
• Real-Time TF-IDF Search Engine (AWS Cloud, Big Data)	Mar 2025
◦ Designed AWS search solution using EMR for batch processing, DynamoDB for low-latency queries, and Lambda for serverless scalability, balancing cost and performance requirements.	
◦ Built a TF-IDF ranking algorithm in Python to process large-scale text datasets and deliver real-time search results.	