SHASHANK SINGH

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CERTIFICATION

AWS Certified Cloud Practitioner

Issued Aug 2025 – Expires Aug 2028
Credential ID:
d3fb5713fbfd44108f2a76980dd4d721
Verify at:
https://aws.amazon.com/verification

EDUCATION

M.S, Computer Science
Arizona State University
Tempe, AZ
GPA: 3.94/4.00 | Dec 2026 (expected)

B.Tech, Electrical Engineering
Manipal Institute of Technology
Manipal, India
CGPA: 8.01/10.00 | Nov 2023

TECHNICAL SKILLS

Technical	Backend/Data	Tools
Python	.NET 6	AWS
JavaScript	REST APIs	Docker
C#	PostgreSQL	Git
C++	ETL	TensorFlow
AngularJS	Power BI	LLM

PROJECTS

NewzSenti (https://www.newzsenti.com)
News sentiment analysis web app
- Hosted on AWS Lambda
- Integrated VADER and BERT model

WebSecBench: AI Agent Benchmark
- Implemented browser sandbox instrumentation to log agent actions in malicious web pages

SUMMARY

Graduate Computer Science student with 2+ years of experience designing and implementing cloud-based web services and data pipelines. Proficient in Python, C#, .NET, SQL, JavaScript, and Angular with strong knowledge of REST APIs, microservice architectures, relational databases, and message queues. Experienced with AWS and Azure for compute, storage, and monitoring, with interests in full stack engineering, distributed systems, and application security.

PROFESSIONAL EXPERIENCE

Senior Software Developer

Bajaj FinServ | *Jan 2023 – Dec 2024*

Designed and implemented MVC (model-view-controller) web applications for mandate management and account aggregation using Python, .NET, Angular, PostgreSQL, and AWS. Worked across backend services, data pipelines, and production support to deliver reliable financial workflows under strict performance and security requirements.

- **Built 20+ REST APIs in ASP.NET and PostgreSQL for mandate and aggregation flows, integrating bank and payment APIs with OTP, status, and reconciliation endpoints.**
- **Developed Python ETL pipelines for high volume financial data, normalizing into transactional tables with audit trails and reducing registration time by about 35 percent.**
- **Implemented certificate-based authentication for partner banks and applied RSA and AES encryption to protect sensitive payloads and tokens.**
- **Automated CRUD across 5+ PostgreSQL modules and worked with DevOps and security to run containerized services on AWS with CI CD, observability, and near 99.9 percent uptime.**

Software Development Intern

KPMG | May 2022 – *Jul 2022*

Developed data collection and reporting components for retail analytics using Python, Selenium, Alteryx, and Power BI. Focused on automating data extraction, transformation, and visualization to support consulting engagements.

- **Created Selenium based Python scripts to scrape Amazon product and review data at scale.**
- **Built Alteryx workflows to clean, join, and aggregate multi source datasets for analysis.**
- **Published interactive Power BI dashboards with filters, KPIs, and drill downs for consultants.**