Dezi Shrivastav

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I'm a dynamic and adaptable professional with an unwavering commitment to ongoing learning and embracing new technologies. Eager to explore diverse realms of the tech world, I prioritize staying current and evolving alongside the ever-changing landscape, ensuring my skills remain relevant and valuable

EDUCATION

Master of Science - Research in Energy Sciences and Engineering | *Indian Institute of Technology Guwahati*	**Sept 2020 – June 2022** ***8.72/10***
Bachelor of Technology in Electrical Engineering | *MMMUT, Gorakhpur, India*	**July 2016 – May 2019** ***8.37/10***
Diploma in Electronics Engineering | *GGPL, Lucknow, India*	**July 2013 – June 2016** ***78.95%***

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages:	Java
Professional Skills:	Spring Boot, RESTful API Development, Junit, Mockito, AEM, CAMUNDA BPMN
Database:	MySQL (JDBC, Prepared Statements), MongoDB
Certifications:	**Core Dot Net Certification |** Its Easy Solutions Pvt. Ltd. | Sept 2015 – Jan 2016
	SQL for Business Analytics | *Turnip innovations Pvt. Ltd.*
	Data Science Boot camp | Consulting and Analytics Club, IIT Guwahati
Tools & Technologies:	Git, JIRA, Postman, Bitbucket, TeamCity, Jenkins

EXPERIENCE

Software Developer Consultant

Genpact | Bengaluru ***Aug 2022- Present***

- Developed and maintained Java backend system for Model Performance Monitoring (Firm Risk Management project).
- Built a robust feedback processing service, with Automated email reports and Excel exports, created RESTful APIs, and maintained data retrieval and processing logic (Wealth Management project).
- Created custom **AEM** components, templates, workflows, and **OSGi-based** servlets to support seamless content automation and improved user experience.
- Designed and implemented workflows using **Camunda BPMN**, and ensured API stability with **JUnit** and **Mockito** testing.
- Streamlined CI/CD processes with **Jenkins** and used **Lombok** and **SLF4J** for cleaner, maintainable code.

PROJECTS

Firm Risk Management Technology (Morgan Stanley)

- Designed and configured the API Gateway for a microservices-based architecture to centralize routing and inter-service communication.
- Developed and integrated RESTful APIs and Service layers with custom request payload validations for core risk operations.
- Tested all components using **JUnit and BDD (Behavior Driven Development)** approach to ensure functionality and reliability; validated endpoints via Swagger UI for correctness and completeness.
- Contributed to Camunda BPMN-based workflow integration and used Lombok and SLF4J for cleaner and efficient code structure.
- **Technologies Used:** Java 8, Spring Boot, MongoDB, JUnit, Mockito, Swagger, BDD.

Wealth Management Technology (Morgan Stanley)

- Developed a Spring Boot-based wrapper service to retrieve JSON from APIs, store feedback data in the database, generate Excel reports, and dispatch automated emails using custom templates.
- Led AEM Cloud Migration POC and POC for indexing and un-indexing training contents in AEM, Created AEM workflows and servlets for database updates and asset/page property management.
- Ensured robust API performance through JUnit and Mockito testing, maintained data integrity using SQL queries and stored procedures.
- Participated in production releases, ensuring seamless deployment and minimizing downtime.
- Technologies Used: Java, Spring Boot, MySQL, Junit, Mockito.

Hostel Management System (Training Project)

- Windows Forms-based application using VB.NET and C#.
- Implemented login, room allocation, billing, and reporting using MySQL.

Impedance Source Inverter for Renewable Energy System (MS Thesis)

- Two modified impedance source inverters are proposed with improved boost factor, less device stress, and better performance.
- Designed a hardware prototype of the **proposed DA-EBZSI** topology and validated numerical analysis and simulation results.

ACHIEVEMENTS

- **Gate 2020:** Qualified with 95.455 percentile
- **Certificate of Excellence**, 2nd prize in GS competition, MMMUT
- **Certificate of Participation:** MATLAB Quiz (MMMUT), Analytics Bootcamp (IITG)

PUBLICATION

- A Paikray, D Shrivastav, SK Nayak, "**Switched-Inductor Extended-Boost Quasi-Z-Source Inverter ", IEEE Access.**

RELEVANT COURSES

- **Computer Science:** Web Technology, Database Management system (Theory and Lab), Data Structure and Algorithm, Artificial Intelligence, Intro to Programming with Python.
- **Electrical and Electronics:** Power Electronics Converters, Power Electronic Converters for Renewable Energy Systems, Power Quality and Reliability, Non-Linear System and control.