

# SHIVANI GADE

Jersey City, NJ | 917-825-7631 | [gadeshivani@gmail.com](mailto:gadeshivani@gmail.com) | [shivani.nyc](http://shivani.nyc) | [linkedin.com/in/shivanigade](https://www.linkedin.com/in/shivanigade)

## EXPERIENCE

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### Bank of New York Mellon

New York, NY

Vice President - Backend Engineer I

August 2019 - June 2024

- Lead and developed the migration of financial message transformation applications to **Greenfield and Evergreen** architecture, using **Ansible, Jenkins, Maven, IIB, and Git, GitHub, GIT CI/CD**.
- Developed **SWIFT** message transformation projects using web services, **APIs, VOLANTE, Springboot, Java, IBM WebSphere MQ**, and worked on **Enterprise Service Bus(ESB) applications** migrations which allowed for customized and SWIFT-compliant messages(MT, MX, COBOL COPY BOOK) for clients.
- Managed and served as a SME for 3rd party transformation libraries and tools (**Swift Translator, Provide**) which supported message types and markets like **T2, CHAPS, CHIPS & HKCL CHATS**.
- Oversaw development for **ISO20022** message transformations and **X12 FTS 820** message formats.
- Developed and maintained yearly SWIFT releases for message transformation projects.
- Developed and supported integration of message transformation project for Digital Assets.

### State Street

Princeton, NJ

Software Development Intern

June 2018 - August 2018

- **Maintained and refactored new and existing code** with an emphasis on quality and re-usability using **Spring boot** and **Java** to connect the **Hadoop(Hbase, Hive)** database with the front end.
- Developed front-end in **React** for an existing project to improve internal tools.

### iNautix Technologies (A BNY Mellon Company)

Pune, India

Application Developer

Dec 2014 - Aug 2017

- Developed **SWIFT** message transformation projects along with four other team members using web services, **VOLANTE, Java, IBM WebSphere MQ, and IIB Integration**, allowing for customized and **SWIFT-compliant** messages(MT, MX, COBOL COPY BOOK) for clients.
- Designed(wireframes) and built front-end and back-end of the internal configuration storage system using **Java, Spring, Pub-Sub Model** and **CAMEL Framework, Bootstrap, AngularJS, JavaScript, CSS, HTML, REST Services**, and **Oracle Database** to create an automated system and replace a manual function.
- Supported **production environment**, deployments, **feature and product releases**, and **QA** testing.

## TECHNICAL SKILLS

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**Programming Languages:** Java (Core and J2EE), Python, JavaScript **Software/Web Development:** HTML, CSS, Web Services, JSP, JSON, hybrid app development, Pub-Sub Models, XML, XSD, Volante, IBM Websphere MQ, RESTful Web Services, API development, AngularJS **Database(s):** Oracle, SQL Server, MySQL, Firebase **Frameworks:** Spring, AngularJS, React, Ionic, React Native **DevOps:** Git, Jenkins, Ansible **Product Management:** Jira, Confluence, Agile SD (Scrum) **Product Design:** UI Design, Paper prototyping, usability testing, prototyping, wireframing, Design Thinking, Proof of Concepts(PoC). **Software Testing:** JUnit, Selenium **Blockchain:** Bitcoin, Ethereum, Solidity, Remix IDE, truffle. **MISC:** Bash (Shell) scripting, Scalable application development, Agile methodology, SCRUM, Kafka, Client-side and business-wide communications, WebSphere MQ, and SWIFT messaging, C, C++, Relational Databases, HTTP, Algorithm Design, Object Oriented Programming, Unix/Linux, Enterprise Architecture frameworks, TOGAF, SWOT analysis, VS Code.

## EDUCATION

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**Harrisburg University** **Harrisburg, PA**  
Doctor of Philosophy (PhD) in Information Systems Engineering & Management Anticipated 2027

**Harrisburg University** **Harrisburg, PA**  
Master of Science (MS) in Information Systems Engineering & Management | **GPA:3.90** July 2022 - June 2024

**Pace University, Seidenberg School of CSIS** **New York, NY**  
Master of Science (MS) in Computer Science | **GPA: 3.79** May 2019

**Priyadarshini Institute of Engineering and Technology** **Nagpur, MH, India**  
Bachelor of Engineering (BE) in Computer Science | **GPA: First Class** June 2014

## ADDITIONAL EXPERIENCE

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**Pace University** **New York**  
Computer Science Tutor Sep 2018 - May 2019  
Graduate Assistant Jan 2018 - May 2019

## ACADEMIC PROJECTS

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**Blockchain-enabled Payment Systems for Banks: Integrating Smart Contracts for Automated Compliance** 2023 - Present

- Researching on integrating blockchain (Hyperledger), smart contracts & oracles (Chainlink) into banking to automate compliance (KYC/AML) & revolutionize interbank payments.

**Product Development Project(React Native, Python, Proto.io, Kafka, Microservices,Node)** 2018 - 2019

- Working with Aalto Design Factory, Finland in a multidisciplinary team to develop a product prototype for Pexraytech, Finland.
- Researching, designing (Event Driven Architecture) SDLC, and developing a portable X-ray [machine solution](#), serving as the **full-stack developer and software team lead**.

**BSocial (Ionic, HTML, CSS, JavaScript, Firebase, Google APIs)** 2018

- Designing and developing a **hybrid mobile application** in the **ionic framework** for social idea voting where people submit and vote ideas; at the end of each quarter, the top idea is selected for development.

## ACHIEVEMENTS AND PARTICIPATION

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- AWS Certified Cloud Practioner, Ongoing
- NCA Generative AI LLMs, Ongoing
- Certified Enterprise Blockchain Architect (CEBA), August 2023
- Civic Engagement Award, Seidenberg School of CSIS, Pace University, 2019
- [Pace Mobile Application Design Contest \(Winner\)](#), 2018
- Grace Hopper [Scholar](#), 2018
- [The Fourteenth Annual Pace Pitch Contest \(Finalist\)](#), 2018
- Internal Financial Markets Training, BNY Mellon, 2015

## VOLUNTEER

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**Chapter Lead, NJ Chapter, Women in Technology**, BNY Mellon 2023 - 2024  
Digital Assets Hackathon, BNY Mellon 2024  
Core team member, US, GenEdge, BNY Mellon 2024  
**Sunflower Women in Tech Hackathon**, Pace University 2020