

# Shouryan Sharma

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## EXPERIENCE

### Bank of America

Software Engineer I

Hyderabad, India

July 2023 - Present

- Orchestrated the development of the new **Client Onboarding Platform** for Bank of America in a team of **8** professionals.
- Engineered and seamlessly integrated **middleware** services with the platform's database and user interface using **Spring Boot**, resulting in a substantial **20%** reduction in data processing time and an impressive **30%** increase in overall system efficiency.
- Created 5+ **Angular UI** widgets, optimized real-time API integration, reducing response time by 40%, and implemented **NPI data** masking to ensure 100% privacy compliance.
- Led migration of 5+ applications from Windows Server **2012** to **2019**, overseeing Active Directory integration and seamless transition of UI components and service integrations.

### Bank of America

Software Engineer Intern

Hyderabad, India

January 2023 - July 2023

- Pioneered the design and implementation of **asynchronous loggers**, yielding an impressive **40%** reduction in execution time for JSON/XML-based API requests, significantly enhancing system performance by **20%**.
- Spearheaded a major optimization initiative, achieving a remarkable **60%** reduction in **API Domain component** size through a systematic and strategic reduction of dependencies.
- Streamlined system stability and deployment operations by deploying **Ansible**, **Vanguard**, and **XLR Train** for efficient server monitoring and management, driving a systematic 3-phase deployment process: **API Domains**, **App Data**, and **API integration**.
- Drove innovation by filing 2+ **patent** applications in the field of blockchain technology.

## EDUCATION

### Vellore Institute of Technology (VIT), Vellore

Bachelor's in Computer Science Engineering with Specialization in Information Security

July 2019 - July 2023

CGPA: 8.3

## PROJECTS

### Building Functional Webapps | [link](#)

Bootstrap, JS

- Architected a **static website** with HTML, CSS, and JavaScript, boosting performance and **user engagement** by **20%**.
- Coded an engaging multi-device experience leveraging **Bootstrap 4** for responsive layouts paired with seamless transitions via **Animate.js**, directly contributing to a measurable rise of user interaction rates on interactive elements by over 30%.

### FundMe | [link](#)

Hardhat.js, Yarn/Node.js, Solidity, Ethers.js

- Developed a web application using **Hardhat**, achieving a **45%** increase in successful fund transactions which enabled users to deposit and withdraw from smart contracts seamlessly with enhanced reliability.
- Mastered the application of ethers.js within the Hardhat environment, fortifying the security and robustness of smart contract funding, leading to a **50%** reduction in transaction errors and a **30%** boost in user trust and adoption.
- Achieved an impressive **80%** usability testing coverage through rigorous **unit** and **staging tests**.

### Puddle | [link](#)

Django, HTML

- Established and deployed Puddle, an online e-marketplace that boosted user growth by **40%** and facilitated secure **transactions** with reliable **authentication** across various item categories.
- Added features such as admin control, cross-communication, authentication, and item creation and deletion to improve user experience using **Django**.

### Portfolio | [link](#)

Kaboom.js, JS, Json

- Constructed an interactive portfolio website as a game using **kaboom.js**, enabling users to explore projects in an engaging way.
- Managed game objects with **JSON** image data for better performance and user experience.
- Reorganised responsive prompts to boost user engagement and encourage exploration of the site.

## SKILLS

Languages: JavaScript, Python, C++, Java, C, Solidity, SQL

Technologies: Angular, NodeJS, ReactJS, Django, Flask, FastAPI, Hardhat, Spring boot, SQL, Bash, PostgreSQL

Platforms: Linux, Git, Docker, Heroku, Netlify, Ansible, Vanguard, AWS, XLR Train, Nginx

Miscellaneous: Frontend, Backend, Unit Testing, Data Structures and Algorithms, OOP, UX Research

## ACHIEVEMENTS

- Secured the second position at 'Apptitude21,' an annual ACM-VIT hackathon, highlighting strong technical abilities.
- Achieved Google UX design certification with a perfect 100% completion score.