

# TANMAY BANSAL

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in TanmayBansal

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## EXPERIENCE

### QA Engineer

#### App Analytics

Mar 2025 – Present

- Tested over 50+ mobile applications across domains such as finance, gaming, shopping, health, and lifestyle – including international apps.
- Captured and analyzed 500+ API calls using Fiddler to trace user behavior, enabling accurate backend test replication.
- Validated 100+ unique APIs, manually inspecting parameters, headers, auth, request/response JSONs, and performance metrics.
- Customized and extended organization-wide automation scripts, resulting in 100+ behavior-driven scripts tailored to real user journeys.
- Investigated 30+ edge cases by analyzing Java and small code, enabling coverage of untrackable events and legal-restricted app actions.
- Achieved 90% test case accuracy for user event replication and API hit simulation, improving behavioral analytics efficiency.

### QA Intern - Manual & Automation Testing

#### Apptad: Digital Transformation

Jan 2025 – Mar 2025

- Performed usability and regression testing, identifying and resolving 95% of compatibility issues across multiple environments.
- Developed and executed 50+ automated test scripts using Selenium Grid, TestNG, Java, and Selenium WebDriver, reducing testing time by 40%.
- Collaborated with the QA team to create, optimize, and maintain test scripts, improving website performance and stability.

## PROJECTS

### CampGrounds

- Built a full-stack web application using HTML, CSS, JavaScript, Node.js, and Express.js, with MongoDB as the database.
- Designed and implemented CRUD operations for campgrounds, user reviews, and comments.
- Integrated secure user authentication and session management using Passport.js, ensuring protected user access.
- Utilized MapBox API to visualize campgrounds on an interactive map, allowing users to view and pinpoint individual campground locations.

### Excel Clone

- A web app developed using HTML, CSS, and JavaScript.
- Added cut/copy/paste functionality for seamless user experience.
- Designed an intuitive UI for better spreadsheet management.
- Simulates real Excel-like behavior with smooth and familiar interactions.

### SyncSketch

- Built a real-time whiteboard app using vanilla JavaScript and WebSockets.
- Enabled live drawing and collaboration, perfect for brainstorming sessions.
- Added custom brush options, an eraser, and undo/redo, making sketching seamless.
- Optimized for low-latency interactions, ensuring smooth real-time updates for multiple users.

### ApplyMate – LinkedIn Easy Apply Automations

- Developed an automation tool to streamline the Easy Apply the job application process on LinkedIn.
- Implemented an efficient job filtering system based on criteria like job type and experience, reducing manual effort.
- Used TestNG for structured test management, ensuring smooth and error-free execution.
- Applied XPath for precise element interaction, improving automation reliability.
- Integrated Maven for dependency management, maintaining a clean and efficient project structure.

## SKILLS

### Programming Languages

Java, JavaScript, Python

### Databases & Querying

MySQL, MongoDB

### Development Frameworks

Spring Boot, Bootstrap, Node, Express, TestNG

### Cloud & DevOps

AWS (EC2, S3, IAM)

### Core Concepts

DBMS, Data Structures, Algorithms, Object-Oriented Programming (OOP)

### Tools

Selenium, Git, GitHub, Fiddler, ADB

## EDUCATION

### Bachelor of Technology (CSE)

Inderprastha Engineering College

2020 – 2024

### Higher Secondary Education (CBSE)

Gyandeeep Vidya Bhawan Sr. Sec. School

2019 – 2020

## COURSES/ACHIEVEMENTS

### Competitive Programming Course

- Learnt programming concepts like Recursion, Stack, Queue, Tree etc..

### Database Management Systems with MySQL

- Learnt DBMS Concepts and MySQL.

### Web Developer BootCamp

- Learnt CRUD operations, authentication, and authorization, along with frameworks like Express.js, Bootstrap.