

# Ujjwal Kumar

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## EDUCATION

**Visvesvaraya Technological University**

*Bachelor of Engineering in Computer Science and Engineering, CGPA: 9*

Bengaluru, India

*Aug. 2017 – Aug. 2021*

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Java, SQL

**Backend:** Node.js, Express.js, MongoDB

**Frontend:** React.js, Next.js, Redux

**Methodologies:** Agile, Scrum, OOP, Functional Programming, CI/CD

**Others:** Jest, D3.JS, html5, css3, TailwindCSS, Git, restful apis, Data Structure, solid principles

## EXPERIENCE

**Metricstream Infotech Private Limited**

Bangalore, India

*Member of Technical Staff (Research and Development Team)*

*Aug 2021 – Present, Full-time*

- **Full-stack development** for the **Audit Manager Project**, including creating the Login Page UI and implementing all necessary **REST APIs** for user registration, login, password change, and password reset. Utilized **ReactJS** for the frontend and **NodeJS** with **ExpressJS** and **MongoDB** for the backend.
- Engineered the **migration of GRC application from Backbone.js to Next.js**, driving a **40% enhancement in user experience** and a **30% reduction in load times**, resulting in a significant boost in performance & efficiency metrics.
- Led the successful migration of charts within a **GRC application** from **Fusion Charts to D3**, resulting in a **50% increase in data visualization capabilities** and a **40% enhancement in interactivity**.
- Implemented mpowerAPIs for consumption by the Business Rules team.
- Collaborated with the development team to identify and fix performance bottlenecks, resulting in a **20% increase in application speed using caching**.
- **Resolved 300+ critical bugs** in the company's software, improving stability and customer satisfaction.
- Collaborated with cross-functional teams to coordinate project requirements and ensure seamless integration of components, resulting in a **20% reduction in integration issues**.

## PROJECTS

**ChatSphere** | *NodeJS, ExpressJS, ReactJS, MongoDB, Tailwind* | [GitHub](#)

- Integrated **Nodemailer** with an SMTP server for email verification, achieving a **99% success rate** in email deliveries and reducing registration-related issues by **30%**.
- Utilized **JSON Web Token (JWT)** for secure user sessions, **bcrypt** (a password hashing function) for encrypting passwords, and **cookies** for maintaining session integrity and user state.
- Leveraged the **"ws" library** to support **real-time communication via WebSockets**, enabling instantaneous messaging

**XtraTune** | *React.js, Next.js, Tailwind, Typescript* | [GitHub](#)

- Crafted a sleek and intuitive **song streaming web application** utilizing the **JioSaavn API** to scrape and stream songs.
- Used **Next.js paired with TypeScript**, seamlessly integrating navigation and playback functionalities for an enhanced user experience.
- Integrated **Radix UI components** for accessible and customizable UI elements, and **TailwindCSS** for efficient, utility-first CSS styling, resulting in a visually appealing and responsive user interface.

## AWARDS & ACHIEVEMENTS

**STAR Award:** MetricStream STAR Award winner. (May 2024)

## CERTIFICATION

**MTA:** Introduction to Programming Using JavaScript - Certified 2019  
(Certificate Link)