

Utkarsh A. Tiwari

Full Stack Web Developer & Data Engineer | London, UK

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Professional Summary

Software Engineer at Barclays UK. Graduated with distinction in MSc Computer Science from Newcastle University, possessing a strong foundation in JavaScript, Web Development, Python, and Data Engineering.

Skills

- **Front-end:** HTML & CSS, JavaScript, TypeScript, React.js, Next.js, Turbo
 - **CSS Frameworks:** ICG Design System, Tailwind CSS, Bootstrap, Daisy UI, Reactstrap
 - **Back-end:** Node.js, Python (Data Engineering, Analysis, and Visualization), Java
 - **Databases:** MongoDB, MySQL, PostgreSQL
 - **CI/CD:** Jenkins, CircleCI, GitHub Actions
 - **Project Management:** Agile Methodology (Jira, Trello), Figma, Canva, Adobe XD
 - **Miscellaneous:** Tech Streamer [@TuplesEdu](#) & [@MajorLeagueHacking](#), OpenFin
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Work Experience

Barclays, London, UK

AVP - FX UI Developer

June 2024 – Present

- Developing FXOne app for internal and external users using Turbo, React.js and OpenFin.
- Creating a seamless user experience across browsers and Windows OS.

Citigroup, London, UK

Software Engineer, Officer - II

September 2022 – May 2024

- Delivered an MVP for an Equities spot price web-app in 4 months, covering the entire SDLC.
- Collaborated with BAs and front-office users to gather and implement requirements.
- Led migration from create-react-app to Vite, boosting performance and developer experience.
- Built an Express.js mock server for rapid prototyping.
- Contributed to a common UI component library.
- Reduced npm vulnerabilities from 15+ to zero across four applications.
- Developed a Python-based POC to visualise FX currency data and converted it to a production-grade middleware with Java Spring Boot.

Jio Platforms Limited, Mumbai, India

Software Development Engineer

August 2019 – August 2021

- Integral member of the Data Engineering Team, gaining proficiency in big data tools and methodologies.
 - Developed and managed a data pipeline for Jio Payments Bank, enhancing operational efficiency.
 - Transitioned from a testing role to leading the testing team for JioMeet, showcasing leadership and technical versatility.
 - Initiated and led "Brown Bag Fridays," a series of technical seminars on emerging tech topics.
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Education

Masters of Science in Computer Science

Newcastle University, UK

September 2021 - August 2022

- Achieved a Distinction with an overall score of 79.3%

Bachelor of Engineering in Electronics and Telecommunication

K.J. Somaiya Institute of Technology (University of Mumbai)

July 2015 - June 2019

- CGPA: 6.79/10
 - CTO and Chairperson of IETE, managed a team of 50, conducting seminars and workshops.
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Projects

- **Color-Conjure:** Open Source project for colour palette generation, built using React, Vite, Typescript.
 - GitHub: <https://github.com/utk09-NCL/color-palette-generator>
 - Website: <https://color-conjure.netlify.app>
 - **On-demand Service Provider Platform:** MSc Dissertation project using Express.js, MongoDB, and React.js.
 - **Abordo:** MSc. Team project showcasing travel itineraries, developed with React.js, MongoDB, and Express.js.
 - **Pothole GO:** A Machine Learning project using TensorFlow and Python for pothole detection, achieving 92.18% accuracy.
 - **Freelance Work:**
 - Built website for an NGO - leodistrict3231a1.com
 - Developed website for Maharashtra Tour Organisers' Association - mtoa.co.in
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Volunteer Work

- Leo Clubs (part of Lions Clubs International)
 - Website Director of **Leo Multiple 3231** and **Leo District 3231 A1** (July 2020 - Present)
 - President, **Leo Club of Walkeshwar** (July 2020 - June 2021)
 - Director of Events of **Leo Club of Walkeshwar** (July 2019 - June 2021)
 - Orchestrated charity events and fellowship initiatives across Mumbai.
 - Organised a 3-day Digital Hackathon and an International Cultural Exchange Program with Nepal.
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Languages known

- English - Secured 8.0/9.0 in IELTS (January 2020)
 - Hindi - Native
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Hobbies

- Reading crime-thriller novels and teaching