# Urza Rai

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## Education

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| **Vellore Institute of Technology, Vellore** | **Sep 2022 – Present** |
| *Bachelor of Technology in Computer Science with Specialization in Internet of Things; CGPA:9.01* | *Vellore, Tamil Nadu* |
| **SNBP Rahatani, Pune** | **Apr 2020 – Jul 2022** |
| *HSC, Final Percentage: 93.2%* | *Pune, Maharashtra* |
| **SNBP Rahatani, Pune** | **Jul 2018 – Mar 2020** |
| *SSC, Final Percentage: 95.8%* | *Pune, Maharashtra* |

## Technical Skills

**Languages**: Python, Java, C/C++, SQL
**Frontend Technologies**: HTML, CSS, Javascript, ReactJS, Tailwind CSS
**Backend Technologies**: Express.js, Node.js, MongoDB
**Data Visualization**: Tableau, Power BI

## Projects

**BlogNest** Live Demo — GitHub Repo *(MongoDB, React, Express.js, Node.js)*
- Developed BlogNest, a full-stack blogging platform enabling users to create, read, and update posts with secure authentication and cloud image uploads
- Separate User and Admin login profiles for role-based access and management.

**GitPeek** GitHub Repo *(Python, GitHub API, Rich, CLI Tool)*
- Built a command-line tool to fetch and display GitHub user profiles and compare key metrics
- Used GitHub's public REST API and Rich library for styled terminal output and improved user experience.

**HR Analytics Dashboard** Dashboard Link *(Tableau, Data Visualization, HR Analytics)*
- Developed an HR analytics dashboard to track employee attrition, performance, and key HR metrics.
- Leveraged Tableau's visualization capabilities to present actionable insights for HR decision-making.

## Experience

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| **Mercedes Benz, BU Bhandari** | **May 2024 – June 2024** |
| *Customer Relations Intern* | *Pune, Maharashtra* |

- Improved data storage and retrieval systems on the MBIL Zoho Solutions server, reducing data retrieval time by 20%.
- Performed data analysis and developed detailed customer profiles using Excel, increasing customer service efficiency by 30%.
- Optimized the customer database for 1,000+ clients, achieving 98% data accuracy and maintaining current information.

## Certification

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| **Ethnus - MERN Full Stack (Certificate)** | **10 July 2025** |

- Gained hands-on experience in building full-stack applications using MongoDB, Express.js, React.js, and Node.js.
- Developed mini-projects demonstrating RESTful APIs, state management, routing, and frontend/backend integration.

## Research Experience

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| **Survey Paper (Link to Paper)** | **January 2025** |
| *Under the guidance of Prof. Dr. Srivani A* | *Vellore Institute of Technology, Vellore* |

- Wrote a survey paper on AWS Athena and AWS Elastic Beanstalk, analyzing their performance, scalability, and integration capabilities in cloud-based applications.

## Extracurricular Achievements

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| **Executive Operations Head (Membership Certificate)** | **April 2024** |
| *Sophomore Year* | *Vellore Institute of Technology, Vellore* |

- Elected as Operations Head and HR for ISTE-VIT, where I demonstrated strong leadership and organizational skills by managing a team of over 150 members and successfully executing over 15 events, workshops and hackathons.