Urza Rai

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📞 +91 971804 7132 ✉ raiurza@gmail.com in LinkedIn ○ GitHub 👤 Portfolio

Education

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 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

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.

Research Experience

Research Report (Link to Paper)	**March 2025**
Under the guidance of Prof. Dr. Kausser Ahmed	*Vellore Institute of Technology, Vellore*

- Researched and designed an innovative IoT-based soil monitoring and irrigation control system leveraging edge computing to reduce water usage by 20-30% for small-scale farmers, validated through TinkerCad simulations and agricultural datasets.

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

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.

Branch Migration	**July 2023**
Freshman Year	*Vellore Institute of Technology, Vellore*

- Secured branch migration from Bioinformatics to Internet of Things based on top academic performance. An opportunity that was awarded to the top 5% of students in the entire university based on their academic performance during the freshman year.