

# Yukta Sarode

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## EDUCATION

### M.S. Computer Science

Arizona State University, Tempe, AZ

Courses: Software Quality Assurance and Testing, Data Mining, Data Visualization, Combinatorial Algorithms

Expected May 24

3.78 GPA

### B.Tech Information Technology

Veermata Jijabai Technological Institute (VTI), Mumbai

Courses: Database Systems, Data Structures and Algorithms, Software Engineering, Cloud Computing, Machine Learning

May 2022

3.62 GPA

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, JavaScript, Solidity

**Front-End:** HTML, CSS, React.JS, D3.js, Bootstrap, Figma, Photoshop

**Tools, Databases, and OS:** Node.JS, Express.JS, Git, JUnit, Django, Asana, Ethereum, Ganache, Selenium, GCP, Android Studio, SAP Analytics Cloud, Excel, PostgreSQL, Neo4j, MySQL, MongoDB, PostGIS, Linux

## PROFESSIONAL EXPERIENCE

### Fiserv, Pune, India: Summer Intern

Summer 2021

- Spearheaded the development of an automation tool using the **python**, **python-script** and **python-docx** library, solving the complex problem of reducing the time required for formatting documents according to custom requirements by 85%.
- Implemented **SDLC** to cut development time by 60%, and enhanced code readability, improving maintainability by 30%.
- Gathered user requirements, set task deadlines, and conducted unit testing using **pytest** for quality assurance.
- Presented the project to stakeholders and collaborated with senior management and cross-functional teams.

### Earnvest Technologies, India: Frontend Web Development Intern

June 2020 – July 2020

- Improved user satisfaction by 20% using **Figma** and incorporating market insights into interface enhancements.
- Reviewed and debugged code, boosting functionality, performance, and reliability of the project by 10%
- Constructed responsive and mobile-compatible web pages using **Django**, **JavaScript**, **HTML**, **CSS**, and **Bootstrap**.
- Leveraged **GIT** for version control and **AGILE** for the development process.

## RELEVANT PROJECTS

### Graph Manager, CSE 464

August 2023 – Present

- Created a **Java** application using **Maven** for parsing and manipulating DOT-format graphs.
- Ensured code quality through frequent refactoring and **GIT** for version control.
- Developed comprehensive unit tests using **JUnit**, guaranteeing the tool's reliability and performance.

### Intruder Alert, CSE 578

August 2023 – Present

- Employed **Python** for comprehensive data preprocessing, **SQL** for efficient data management, **Asana** for project tracking.
- Developed an interactive frontend using **React.js**, **Bootstrap** and **CSS**, leading to a 25% increase in user engagement and **D3.js** for advanced data visualization, resulting in a 15% improvement in data clarity and insights.

### E-commerce Sales Analysis using SAP Analytics Cloud, Personal Project

June 2023 – July 2023

- Produced visualizations for identifying trends, leading to a 20% improvement in pattern recognition using **SAP Analytics**.
- Resolved quality issues and mitigated potential counterfeit product concerns by 25%.
- Presented insights to stakeholders, enabling data-driven decision-making for marketing strategies and return rate reduction.

### Edu-Pro, Capstone Project

June 2021 – May 2022

- Reduced professors' effort by 90% by implementing **BERT(NLP model)**, after performing effective data cleaning methods.
- Designed web app's components using **React.js** and connected it to the **Express.js** backend using **REST APIs**.
- Developed the smart contract using **solidity**, used **Ganache** for testing, **Ethereum** as a blockchain.
- Published a research paper underscoring its significance and impact on the academic and professional community.
- Utilised **MVC architecture** for application development and **Asana** for tracking.

## EXTRACURRICULAR EXPERIENCE

- Student Worker at Engineering Technical Services at Arizona State University. (August 2023 to Present)
- Conducted a full-stack web development workshop for more than 75 students. (August 2021)
- Obtained QwickLabs Google Cloud Platform Certification. (October 2021 - November 2021)