

KIJOHN BYANJANKAR

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EDUCATION

Bachelor of Science in Computer Science

May 2021 – Present

Arkansas State University

WORK EXPERIENCE

Sodexo Quads Student Worker, Arkansas State University

Jonesboro, AR

Campus Services – Student Worker

Jan 2023 – Present

- Assisting with daily operations at the Quads convenience store, serving a high volume of students and staff
- Operating point-of-sale (POS) systems, handling cash and card transactions accurately, and balancing drawer at shift end
- Restocking inventory, maintaining product displays, and ensuring cleanliness in accordance with Sodexo and health regulations
- Providing friendly and efficient customer service, resolving issues and answering inquiries professionally
- Collaborating with a team of student workers and supervisors to ensure smooth store operations during busy hours

Student-Athlete Academic Tutor

June 2022 – May 2023

Academic Tutor

Jonesboro, AR

- Tutored student-athletes in mathematics, general subjects, programming languages such as Python and C++, and database management concepts.
- Guided students through preparation for final exams and projects involving data analysis and algorithm design.

Need Technosoft

Jan 2019 – Aug 2020

Data Analyst Intern

Biratnagar, Nepal

- Performed exploratory and statistical analysis on sales and production datasets to improve inventory planning for a dairy management system.
- Automated reporting workflows using SQL and developed interactive dashboards in Power BI to visualize KPIs.
- Assisted the design team with logos, videos, and Photoshop-related tasks.
- Integrated data from multiple sources to create a unified reporting structure, enhancing team efficiency and data accuracy.
- Built a sales forecasting model using Python and `scikit-learn`, achieving a 20% reduction in stockouts and improved demand forecasting.

PROJECTS

- **University Management System (C++)** — Designed a modular student/faculty record system for storing the student, faculty, subject records using advanced OOP concepts, linked lists, inheritance, dynamic memory and others with focus on structured data handling and usability.
- **Banking Database System (PHP + SQL)** — Built a web-based banking system using PHP with PostgreSQL joins, triggers, and stored procedures to ensure data integrity, perfect transaction integrity and accuracy.
- **RIRI - Voice Assistant with Machine Learning NLP (Python, spaCy, scikit-learn)** — Developed a voice assistant with machine learning-based intent classification and NLP-based entity extraction using spaCy. Integrated speech recognition, web browsing, and automated actions like searching and location mapping.
- **Event Management System (Django)** — Worked in a group of 3 for final class project for developing a full-stack web app with O Auth login, event calendar, Open AI chat-bot integration, and deployed on GCP with smooth interaction and real-time update.
- **Frogger AI Model (Deep Q-Learning)** — Worked in a group of two for final class project for developing an intelligent agent for game play using reinforcement learning and autoencoders, showcasing automation and machine learning integration with the graph showing of improvement in the training mode and good accuracy in testing mode which plays like human.
- **Space Shooter Game (Java, LibGDX)** — Built a single and multiplayer game featuring enemy AI, scoring, and optimized performance using object pooling and resource management techniques with smooth interaction and real-time updates.

SKILLS

Methodologies: SDLC, Agile, Waterfall, Business Process Automation

Programming Languages: Python, C/C++, Java, SQL, C#, Visual Basic, Fox Pro

Machine Learning: scikit-learn, TensorFlow, PyTorch, Reinforcement Learning, Adversarial ML concepts

Cybersecurity: Network Security (TCP/IP, SSL/TLS, VPNs), Android Security, Tor Network, Website Fingerprinting, Malware Analysis

Tools: Wireshark, Nmap, Metasploit, Burp Suite, Kali Linux (basic familiarity)

Web Development Tools: Django, PHP, React, Node.js, JavaScript, Angular, TypeScript, HTML5, CSS

Scripting & Automation: Python scripting, Shell scripting, PowerShell, Workflow Automation (Power Automate, UiPath), Task Scheduling (cron jobs)

IDEs: Visual Studio Code, PyCharm, Jupyter Notebook, Visual Studio

Cloud Platforms: AWS, GCP, Azure DevOps, AWS Lambda, Azure Functions

Software Development: Object-Oriented Programming, Debugging, Unit Testing, GUI Development, Application Development, Troubleshooting

Databases: MySQL, PostgreSQL, Oracle, SQL Server, Database Automation

Data Analytics Tools: Tableau, Power BI, Microsoft Excel, Automated Reporting

Operating Systems: Windows, Linux, Basic System Administration

IT Support Skills: Software/Hardware Troubleshooting, Technical Documentation, Customer Service, Microsoft Office Suite