

# SRIJAN BIJJAM

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## EDUCATION

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### THE OHIO STATE UNIVERSITY

*Bachelor of Sciences*

*Columbus, OH*

*May 2025*

Major in Computer Science (Artificial Intelligence Track); Minors in Mathematics

Relevant Coursework: Project: Design, Development, and Documentation of Web Applications, Discrete Math, Data Structures & Algorithms, Computer Systems I & II, Neural Networks, Machine Learning, Knowledge-Based Systems Capstone

## WORK EXPERIENCE

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### Society for Worldwide Interbank Financial Telecommunication (SWIFT)

*Systems & Applications Engineering Intern*

*Culperper, VA*

*Jun 2024 – Aug 2024*

- Developed a Python script to automate file compression on Linux production servers, cutting down manual processing time by 95% and optimizing disk space utilization.
- Designed and implemented Kibana dashboards to provide real-time visibility into disk space metrics, enabling proactive monitoring and alerts.
- Created a comprehensive ServiceNow checklist dashboard using SNOW reporting capabilities to automate global data center handovers, ensuring seamless 24/7 operational continuity across multiple regions.

### JDK Technologies

*Software Developer*

*Naperville, IL*

*May 2022 – Aug 2024*

- Co-founded and launched a newsletter, securing over 100 subscribers
- Engineered database functionalities using C# and Entity Framework, optimizing data workflow
- Enhanced online content aesthetics and functionality using sophisticated HTML/CSS

### CODE4COMMUNITY

*Team Member*

*Columbus, OH*

*Aug 2021 – Present*

- Spearheaded the development of websites and applications for nonprofits, boosting digital presence and donor involvement by 50%

## PROJECTS

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### Script Lock

*Aug 2024*

- Leading the development of a **React Native** mobile application that simplifies and secures scene paper distribution for the film industry
- Designed and implemented custom **RESTful** API routes with **Node.js/Express.js**, hosted on a **AWS EC2** instance
- Integrated **MongoDB** for user data storage and **AWS S3** for secure file storage
- Increased team productivity by delegating tasks with **Linear** while establishing code quality standards with **GitHub actions**

### Mealtry

*Oct 2023*

- Crafted a **JavaScript** application for extracting and processing dining hall nutrition data into user-specific healthy meal plans
- Established a robust **database** system for swift and effective information retrieval
- Refined a Basal Metabolic Rate-based **algorithm** for custom meal plan generation, showcasing proficiency in data analysis

### Emotion Recognition

*Aug 2023*

- Designed a **deep learning model** for facial emotion detection with 90% accuracy, utilizing over 10,000 diverse facial images
- Improved model resilience through strategic **data augmentation**
- Leveraged **PyTorch** for designing, training, and evaluating the neural network model

### Dad Joke Generator

*Jul 2023*

- Constructed a responsive web interface with **Bootstrap**, **HTML/CSS**, and **ReactJS** for interactive joke generation
- Seamlessly integrated the **OpenAI API** for active content creation and display using **jQuery**
- Deployed the application on a **Flask-based** Python web server

## SKILLS

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**Tools & Technologies:** Trello, Ghost, Git, API Programming, Microsoft Suite, .NET Framework, pyTorch, AWS, Linux command-line operations, ServiceNow, Elastic (ELK) Stack: Elasticsearch, Logstash, Kibana, Jira, Linear

**Programming Languages:** Java, Python, C, C#, C++, HTML/CSS, Javascript, SQL, ReactJS, NodeJS, x86-64 Assembly, Bash, Ansible, Ruby