Sharv Ashutosh Utpat

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LinkedIn • GitHub • United States Citizen

Education

The University of Texas at Dallas

Bachelor of Science in Computer Science   **August 2021 – May 2025**

- Computing Scholars Honors Program, Collegium V Honors Program
- Cumulative GPA: 3.5/4.0

Technical Skills

- **Programming Languages:** Java, C, C++, C#, Python, JavaScript, SQL, HTML,
- **Software:** React.js, React Native, Node.js, Next.js Spring Boot, REST APIs, Linux, NumPy, Pandas, Flask, spaCy, AWS: S3, EC2 (Elastic Compute Cloud), Lambda, IAM, RDS, Bedrock, SageMaker, Kubernetes, Tailwind CSS
- **Technology Platform:** IntelliJ, Eclipse, PyCharm, Xcode, GitHub, GitLab, Microsoft Office 365, Figma, Notion, JIRA, Confluence, Cybersecurity

Work Experience

- **USAA**   **May – August 2024**

  Full Stack Software Engineering Intern in Payments Technology Department
    - Developed an enhanced customer service tool, allowing developers and other USAA employees to view and modify member's connected bank accounts
        - Enhanced the user interface using **React.js** and created backend API calls with **Java**
        - Implemented a component to allow employees to search for bank account details with member ID
        - Integrated **CI/CD pipelines**, **Spring Boot**, **OpenShift Deployments**, and **Automation** for a successful product launch
    - Extracurricular: Participated in the AWS Game Day Hackathon at USAA

Certifications

- **AWS Certified AI Practitioner (January 2025)**
    - AI/ML, Prompt Engineering, Generative-AI
- **React.js Essential Training (March 2025)**
- **JPMC Software Engineering Virtual Experience (May 2024)**
- **AWS Certified Cloud Practitioner (August 2023)**

Projects

Fast Food AI Chatbot Application– (GitHub)

- Lead a 4-member team to develop a full-stack fast food chatbot for In-N-Out using Flask and spaCy, overseeing project planning, requirement documentation, and team coordination through Atlassian Jira and Confluence. Utilized a Kanban board to track progress and ensure timely delivery of features.
- Leveraged NLP techniques with spaCy to process customer inquiries, allowing the chatbot to understand menu items, prices, and specific order requests in natural language.
- Built a dynamic menu system by loading and normalizing data from a CSV file, ensuring consistency in menu item names and real-time updates for customer interactions.
- Designed and implemented a user-friendly web interface, integrating both front-end and back-end components, ensuring seamless communication and efficient order processing for customers.

Growin' Buds Application – (GitHub)

- Collaborated with a team of four developers to design and implement the user interface for a gardening application
- Utilized JavaScript and React Native to build a dynamic, cross-platform mobile app, ensuring a responsive and intuitive user experience
- Focused on frontend development, UI/UX design, and seamless integration across devices

Python ID3 Decision Tree Algorithm – (GitHub)

- Developed a Python program that uses machine learning program to create a decision tree based on input features and an output column

Connect Four Application – [(GitHub)](GitHub)
- Collaborated with a team of three peers to develop a Connect Four game using MIPS assembly language
- Implemented a graphical user interface (GUI) featuring a bitmap display to visually represent the game board, simulating colored discs for an immersive gameplay experience