

Sharv Ashutosh Utpat

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

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
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Technical Skills

- **Programming Languages:** Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
 - **Software:** React.js, Next.js, Tailwind CSS, Spring Boot, REST APIs, Linux, NumPy, Pandas, Flask, spaCy (NLP), AWS: S3, EC2, Lambda, IAM, RDS, DynamoDB, Bedrock, SageMaker
 - **Technology Platform:** IntelliJ, Eclipse, PyCharm, Cursor, Visual Studio, Xcode, GitHub, GitLab, Microsoft Office 365
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Work Experience

- **USAA** May – August 2024

Full Stack Software Engineering Intern in Payments Technology Department

- Enhanced an internal customer service tool, allowing developers and other USAA employees to view and manage member's connected bank accounts
 - Enhanced the user interface using **React.js** and implemented backend **REST API** calls with **Java** and **Spring Boot**
 - Built a search component to retrieve bank account details using member ID
 - Integrated **CI/CD pipelines**, **OpenShift Deployments**, and **Automation** for a successful product launch
 - Extracurricular: Participated in the **AWS Game Day Hackathon** at USAA
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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)**
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Projects

Serverless Inventory Management System – ([GitHub](#))

- Architected and deployed a scalable serverless inventory management application using **AWS Lambda**, **DynamoDB**, and **API Gateway**, supporting full CRUD operations with RESTful endpoints for product inventory tracking
- Developed multi-interface solution including responsive **Flask** web UI with **Bootstrap**, Python CLI tool for automation, and **REST API** with proper HTTP status codes and error handling
- Implemented **Infrastructure as Code** using **AWS SAM** templates for **automated deployment**, including **DynamoDB** table provisioning, **Lambda** function configuration, and **API Gateway** setup with pay-per-request billing

Fast Food AI Chatbot Application – ([GitHub](#))

- Led a 4-member team to develop a full-stack fast food chatbot for In-N-Out using **Flask** and **spaCy**
- 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 with **Python**, integrating both front-end and back-end components, ensuring seamless communication and efficient order processing for customers

Personal Portfolio Website – ([GitHub](#))

- Built a responsive and SEO-friendly portfolio website using **React**, **Next.js**, **TypeScript**, and **Tailwind CSS**

- Utilized **Next.js** for optimized server-side rendering and improved performance
- Designed a clean, user-centric UI with **Tailwind CSS** for fast, consistent styling
- Integrated a **Resend email API** to implement a secure contact form, using environment variables to manage API keys and follow best practices in API security

Gardening Social Media 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 with Figma**, and seamless integration across devices
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