

Aniket Gargya

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Education

B.S. Computer Science (Grainger College of Engineering),

Aug 2021 – May 2024

University of Illinois at Urbana-Champaign

- **Coursework:** CS225: Data Structures (A+), CS374: Intro to Algorithms & Models of Computation (A+), CS233: Computer Architecture (IP)
- **GPA:** 4.0/4.0
- **Honors:** Chancellor's Scholar (Campus Honors Program)

Professional Experience

Freelance Developer, Cosignage LLC

Aug 2020 – Oct 2020 | Urbana, IL

- Developed an e-commerce website (cosignage.info) with Docker Compose to allow for efficient deployments to an AWS EC2 instance
- Set up the backend server with Node.js and Express.js, the frontend site with React and Next.js, and processed user payments with Stripe
- Used NGINX as a reverse proxy to forward requests to the frontend and backend servers, and enabled automatic SSL certificate renewal with Certbot

Cat Digital Intern, Caterpillar Inc.

Jun 2020 – Aug 2020 | Urbana, IL

- Designed and developed a tool to parse the Wheel Tractor Scraper (WTS) computer vision model output files and visualize the performance under separate conditions using Pandas and Matplotlib
- Introduced Computer Vision Annotation Tool (CVAT) into the team's workflow, and developed Python scripts to generate training images from CVAT labelling files
- Trained a computer vision model to detect the region of the ejector blade within the WTS loader using support vector machines and histogram of gradients with over 90% accuracy

CS125 Course Developer, University of Illinois at Urbana-Champaign

Jan 2020 – May 2020 | Urbana, IL

- Developed a microservice to track the time users spend on each page and section of a website
- Created the frontend wrapper component in React using Hooks and Typescript
- Programmed the backend web server in Node.js, stored the data in a MongoDB database, and isolated the microservice server as a standalone Docker image

Projects

Fortnite Challenges Alexa Skill

- Created a companion Alexa skill for the video game Fortnite using the Alexa Skills Kit (ASK) CLI, Node.js ASK SDK, and AWS Lambda
- Implemented In-Skill Purchasing to sell additional content using the In-Skill Product Service API
- Earned Amazon Developer Rewards (monthly cash prizes for skills that drive some of the highest customer engagement) for 22 months; rated 4 stars with over 2,900 customer reviews; advertised on amazon.com/skills under Premium skills, billboard, trending skills; and included in May's monthly retention email

Skills

Programming Languages

Javascript (Typescript & Node.js), C++, Java, Python, HTML/CSS

Databases

MongoDB

Frameworks & Libraries

React, Next.js, Tailwindcss, Express.js, Pandas

Tools

Docker, Git