

SIYA SONPATKI

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SUMMARY

Pursuing an Honors Bachelor's in Computer Science with a focus in A.I. Skilled in Python, Java, and SQL, with experience in machine learning algorithms, database management, and web development. A dedicated problem-solver with internship and leadership experience, efficient in collaborative and dynamic environments, and passionate about leveraging A.I. and software development to create innovative and impactful projects.

EDUCATION

- Oregon State University**, Corvallis, Oregon (GPA 3.89) June 2026
- *Honors BS in Computer Science, Specialization in Artificial Intelligence, Minors in Spanish and Mathematics*
 - *Awards: OSU Academic Honor Roll, Drucilla Shephard Smith Scholastic Award, OSU College of Engineering Dean's Honors List, Finley Academic Scholarship, International Baccalaureate Scholarship*
- The International School of Beaverton**, Aloha, Oregon (GPA 4.2) June 2022
- *Completed the International Baccalaureate (IB) Diploma Programme*

TECHNICAL SKILLS

- *Languages:* Python, Java, JavaScript C, C++, PHP, SQL, HTML, CSS, Assembly
- *Tools:* Git, GitHub, Visual Studio, Visual Studio Code, Arduino, Netlify, GitHub Pages, Figma, Jira, Asana
- *Databases:* PHP, MySQL, MongoDB
- *Inter Process Communication and Frameworks:* ZeroMQ, HTTP, File I/O, Flask, Express
- *Parallel Computing and GPU Computing:* OpenMP, SIMD, CUDA, OpenCL, MPI

PROJECTS & RELEVANT COURSES

- Sentiment Analysis Program**, Introduction to A.I. | *Python, Naïve Bayes Classifier*
- Implemented program to classify Yelp reviews as positive or negative using a Naïve Bayes classifier, achieved over 90% accuracy on the training set and evaluated performance
 - Pre-processed data by stripping punctuation and creating a vocabulary feature vector, then trained classifier for dataset using Dirichlet priors and probability calculations
- Event Planner**, Introduction to Databases | *Python, Jinja, Flask, MySQL, jQuery, HTTP*
- Developed a web-hosted, event management system using Python, Flask, and MySQL to implement CRUD functionalities for managing entities and intersection tables
 - Designed and managed M:N relationships, developed drop-downs for foreign key selection, and ensured data integrity with CRUD functionality
- 'My Bucket List' Web Application**, Software Engineering I | *Python, JavaScript, MongoDB, ZeroMQ, HTTP*
- Built a microservices-based web application using Python, JavaScript, MongoDB, and ZeroMQ
 - Designed user creation and authentication, search, and CRUD features, integrating a teammate's microservice

EXPERIENCE

- Oregon State University**, *Academic Tutor*, Corvallis, Oregon Sept. 2023-24
- Provided personalized tutoring across a range of undergraduate courses, tailoring teaching methods to individual learning styles, and facilitated effective communication with supervisors and advisors, ensuring seamless coordination
- Dell Corporation**, *Engineering Intern*, Austin, Texas (remote) June–Sept. 2023
- Contributed to projects, including updating and converting code, and creating a content-security-policy for CSP website
 - Utilized tools — Zoom, Jira, and Microsoft Teams, to ensure efficient progress while contributing to team operation through software development best practices
- Starbucks Corporation**, *Partner*, Portland, Oregon August 2021-22
- Developed interpersonal and active-learning skills, fostering a collaborative environment and addressing real-time

LANGUAGES

- **Spanish** (7+ yrs)