

Suvan Dommeti

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EDUCATION

The Ohio State University

Columbus, Ohio

M.S. in Computer Science and Engineering (GPA: 4.00/4.00)

Jan 2025 – Dec 2026

B.S. in Computer & Information Science (GPA: 4.00/4.00)

Aug 2022 – May 2026

B.S. in Statistics

Aug 2022 – May 2026

TECHNICAL SKILLS

Languages: Java, TypeScript, JavaScript, C++, Python, Hack, PHP, SQL, C#, C, Go, Scala, R, Ruby, x86 Assembly

Libraries/Frameworks: React, React Native, Next.js, Node.js, GraphQL, TailwindCSS, Spring Boot, Apache Spark, Jest, gRPC, FastAPI

Other: AWS (Cloud Practitioner), Git, Terraform, CI/CD (Jenkins), Docker/Kubernetes, Postman, OracleDB Linux, Splunk

WORK EXPERIENCE

Amazon Web Services (AWS)

May 2025 – Present

Software Development Engineer Intern

- Integrated OpenSearch into Bedrock's throttling control plane, enabling complex searches across 100,000+ rate limiting rule sets
- Implemented real-time anomaly detection to flag hostile rule patterns, preventing 200+ potential service disruptions per quarter
- Engineered reusable CloudFormation templates for network-layer alert monitoring via AWS CloudWatch, now used by 3 teams
- Launched a Quicksight dashboard for throttling rule sets, saving ~5 engineer-hours/week by eliminating manual database queries

J.P. Morgan Chase

May 2024 – Dec 2024

Software Engineer Intern

- Migrated React app to Next.js with TypeScript, improving Core Web Vitals by 50%, adding WCAG 2.1 accessibility for 10,000+ users
- Built 7 reusable TypeScript/React components with full keyboard navigation and ARIA support, deployed across 2 production apps
- Improved data pipeline latency by 40% merging 7 data ingestion APIs into 3 endpoints, added Splunk logs to monitor performance
- Achieved full test coverage deploying applications to AWS via Cloud Foundry and Jenkins, monitored by Jest and JUnit

Yale Law School Eviction Lab

May 2024 – Present

Research Assistant

- Developing an open-source Python library to predict demographic shifts and gentrification patterns, now used by ~500 researchers
- Created ML models with 92% accuracy in predicting neighborhood gentrification, leveraging TensorFlow and historical datasets
- Engineered a data scraper to automate housing data collection, transforming 1M+ listings into structured datasets for model training

Northwest Bancshares

Aug 2023 – Dec 2023

Software Engineer/Product Management Intern

- Deployed chatbot infrastructure on Azure Kubernetes Service for customer support automation, scaling to 500+ daily interactions
- Eliminated 300+ monthly customer service calls by building a dynamic FAQ system sourced from real-time chatbot queries

WillowTree Apps

Jun 2023 – Sep 2023

Software Engineer Intern

- Prototyped mobile features with design/product teams, iterating on 100+ user feedback sessions to improve satisfaction by 25%
- Built and deployed 3 features in Kotlin for the production android app, fully integrated with backend services and client infrastructure

TECHNICAL PROJECTS

WikiMedia (Wikipedia)

Aug 2024 – Present

- Built an ML model to classify AI vs human generated content, improving content attribution accuracy by 23% across 100,000+ articles
- Discovered a 30% higher community engagement on articles with a balanced bot-human edit ratio by analyzing 1M+ bot edits

Group Me Spam Detection Bot

Dec 2023 – Present

- Successfully deleted 3000+ spam messages by building a spam-detection model and integrating it with GroupMe API using Lambda
- Won 'Most Creative Hack' at HackI/O 2023 and expanded the bot to 20 group chats within 10 months, releasing 3 updates since

LEADERSHIP EXPERIENCE

a16z | *College Talent Fellow*

Aug 2024 – Present

Big Data & Analytics Association | *President*

Jan 2024 – Present

- Expanded sponsor base from 2 to 11 companies by leading partnership outreach and hosting 20+ events with Fortune 500 firms
- Launched a weekly lecture series on machine learning and data science, reaching 100+ students and ending in a 400-person gala
- Organized two tech career fairs (1,000+ attendees each) and hosted DataI/O, a 2 day intercollegiate analytics & data hackathon