SIDDARTH BHAVE

Software Development Engineer | Seattle, WA
+1 (206) 859 3417 | sidbhave@uw.edu | linkedin.com/in/siddarthbhave/ | github.com/siddarthbhave | sidbhave.vercel.app

EDUCATION

University of Washington, Seattle, WA, USA **Sep 2024 - Aug 2026**
Master of Science in Information Management *CGPA: 3.9/4.0*
Relevant coursework: Machine Learning, Building LLMs, Generative AI and Applications

Ramaiah Institute of Technology, Bangalore, India **Sep 2018 - Aug 2022**
Bachelor of Engineering in Computer Science and Engineering *CGPA: 9.22/10.0*
Relevant coursework: Operating Systems, Computer Networks, Database Systems, Distributed Systems, Linear Algebra, Data Structures and Algorithms, Object Oriented Programming and Design

WORK EXPERIENCE

Amazon Web Services (AWS), Seattle, WA, USA

Software Development Engineer Intern *(DynamoDB Networking)* **Jun 2025 - Sep 2025**
- Engineered an eBPF-based metrics collection framework for DynamoDB's front-end EC2 instances, enhancing packet-level visibility from Load Balancers to DynamoDB entry service with <5microseconds latency overhead in non-prod environments after large-scale performance simulation testing
- Designed a cost-efficient network monitoring solution by integrating existing AWS infrastructure and services, avoiding a CloudWatch-based alternative and saving an estimated $1M annually in monitoring expenses

Morgan Stanley, Bangalore, India

Software Development Engineer 2 *(Senior Technology Associate)* **Jan 2024 - Aug 2024**
- Led benchmarking and engineering efforts to integrate Mimir into the firm's observability stack on Kubernetes, resulting in seamless integration with Grafana, increasing metric retention by 50% (+15 days), and decreasing query time for very-long-range queries from 5 minutes to 45 seconds

Software Development Engineer 1 *(Technology Associate)* **Dec 2022 - Jan 2024**
- Solely designed and developed a distributed, highly scalable ETL pipeline in Java Spring Boot that extracted 75 million Kafka records per minute, transformed them into OpenTSDB format, and loaded them onto a HA metrics aggregator, Cortex
- This increased real-time metric retrieval up to 60 days (+200%), reducing query time by 50%, and encouraging stakeholders to move towards modern observability, resulting in an early promotion and a tech-excellence award

Software Development Engineer Intern *(Technology Intern)* **Jan 2022 - Dec 2022**
- Revamped Windows server monitoring across the firm by seamlessly automating the integration of Prometheus exporter, which made Windows server monitoring highly available, reduced the system usage for monitoring by 50% and tripled the metric export rate for acute monitoring
- Collaborated with cross-functional teams to engineer automated target discovery using Python, Linux Bash, and alerting which reduced the server outage alert time by 75% (< 30s) and cut down turn-around-time by 20%

Aamara Technologies, Bangalore, India

Co-founder and Chief Technology Officer **Jul 2022 - Sep 2024**
- Led a team of 15 junior developers and delivered 6 projects to our diverse customers in just 26 months, while being completely self-funded and profitable since day 0
- Architected the digitization of an ERP system in React JS, Django, PostgreSQL for a 1,200-employee factory by automating tool management and tracking employee efficiency, resulting in a 25% increase in employee efficiency and reducing the bookkeeping time by 75%

PROJECTS

University of Washington, Seattle, WA, USA

AskHusky: Multi-Agentic Student Support Assistant **Nov 2024 - Mar 2025**
- Built a multi-agent LLM-based assistant using the CrewAI framework, integrating Canvas LMS, UW Calendar, iSchool Websites, and university web resources to unify student information access and automate workflows like event creation, grade retrieval, and resource or information lookup
- Designed and iteratively refined agent coordination, context routing, and prompt logic; demoed the solution to the iSchool Dean, earning recognition for its potential to enhance student experience and streamline academic support through GenAI

PUBLICATIONS

- P. Sunagar, S. Rajarajeswari, **S. Bhave**, S. Kamate, S. Bhave and S. S. Seru, "**Classification of Human Poses Using Deep Learning Techniques**," 2023 7th International Conference on Computation System and Information Technology for Sustainable Solutions (CSITSS), Bangalore, India, 2023, pp. 1-7. **IEEE CSITSS-23 Best Paper Award**

TECHNICAL SKILLS: Languages: Python,Java,C++; **Tools:** LangChain, CrewAI, Hugging Face, PyTorch, AWS, Kubernetes **Concepts:** LLMs, Prompt Engineering, Multi-Agent Systems, RAG, Technical Problem Solving, Software Engineering, Cross-Functional Collaboration, System Design and Architecture, Platform and Cloud Engineering, Version Control Systems