

RAGHU HASAN BOKAM

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Summary

Software engineer with internship experience building scalable backend services and automating data workflows. Delivered GoLang REST APIs that integrated seven internal tools, improving reliability and enabling seamless data flow across multiple applications. Created AI powered dashboards that cut manual processing time by 90%, saving 30 hours per week for a team of 50+ users. Seeking to apply strong development and automation skills to drive efficient, datadriven solutions.

Education

Purdue University <i>Masters of Science, Computer Science [GPA : 3.89]</i>	Aug 2024 - May 2026
National Institute of Technology, Jamshedpur <i>Bachelor of Technology [Hons.], Computer Science and Engineering [GPA : 3.21]</i>	Dec 2020 - May 2024

Experience

SevenTablets Inc. <i>Software Engineer Intern</i>	May 2025 - Present Addison, TX, USA
<ul style="list-style-type: none">Developed REST APIs using GoLang to integrate multiple internal tools and services, improving system reliability and enabling seamless data flow across 7 applications.Managed DevOps infrastructure by deploying and orchestrating Docker containers on AWS EC2, configuring Nginx reverse proxy for HTTPS on A records, and implementing secure cloud deployments across 8 services, resulting in faster releases and higher system uptimeLed technical automation and built AI-powered dashboards from raw Excel and PDF files, eliminating 90% of manual tasks, saving up to 30 hours/week for each team, and enabling 50+ users to extract insights in under 10 seconds.	
Cubastion Consulting Pvt. Ltd. <i>Salesforce Developer Intern</i>	Jan 2024 - Jul 2024 Gurgaon, Haryana, India

Projects

End to End ASL Recognition & Translation System	Aug 2025 - Dec 2025
<ul style="list-style-type: none">Built an end-to-end ASL recognition system achieving 87% accuracy on 100 sign classes using TGCN models (ONNX Runtime), processing video and live camera feeds (10 FPS) with real-time pose extraction of 55 keypoints and 50-frame temporal sequencesDeveloped React frontend with live camera capture and FastAPI backend processing videos (200 frames, 100MB max); integrated FLAN-T5/GPT-2 for sentence formation, Google Translate API, and PiperTTS for multilingual audio generation, supporting 100-2000 sign classes with optimized PyTorch-to-ONNX conversion	
Purdue Event Management Platform (Automating Surveys)	Jan 2025 - Apr 2025
<ul style="list-style-type: none">Built and deployed a Firebase-backed event engagement platform used by 300+ users, with admin approvals, RSVPs, notifications, and analytics dashboards for campus events.Implemented QR-based check-in (with on-campus geofencing) and automated RSVP/attendance workflows, reducing manual survey work by 70%.	

Purdue Fort Wayne ATS (Attendance Tracking System)

Aug 2024 - Dec 2024

- Built and deployed Purdue Fort Wayne ATS, a production attendance tracking platform (React + Material UI + Firebase) used by 40+ professors and 1000+ students, enabling semester/course management, roster imports (Excel/CSV), and end-to-end attendance workflows.
- Delivered QR-based attendance + analytics at scale, generating and emailing QR codes for in-class scanning, persisting real-time attendance records, and producing actionable reports/visualizations for instructors; validated critical flows with Cypress E2E and Jest tests.

Technical Skills

- Languages:** Python, Java, C++, JavaScript, SQL, HTML/CSS, Kotlin, GO, TypeScript
- Frameworks/Tools:** React, Flask, TensorFlow, PyTorch, Firebase, MongoDB, Git, GoLang, Tensorflow, PyTorch, Cypress
- Technologies:** REST API, Salesforce, Google Cloud Platform, Android Studio, Docker, AWS, Nginx, Node.js, Relational Databases, Kubernetes, Software Testing, Figma, Linux Operating System
- Coursework:** Data Structures, Computer Networks, Computer Graphics, Internet of Things (IoT), Data Mining, Database Management, Operating Systems, System Design, High Performance Computing, Compiler Design, Deep Learning, Blockchain, Full Stack Development, Software Engineering, Natural Language Processing, Ethical Artificial Intelligence, Rapid Prototyping, Artificial Intelligence