Hemanth Naga Sai Bolisetty

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Education

Master of Science, Computer Software Engineering 3.6 GPA
Arizona State University - Tempe, Az *Aug 2023 - May 2025*

Bachelor of Engineering, Electronics and Communication Engineering
Birla Institute of Technology & Science, Pilani - Hyderabad, Telangana *June 2017 – Aug 2021*

Technical Skills

Languages: C, Python, Java, JavaScript, TypeScript, HTML, CSS, SQL
Frameworks & Libraries: React.js, Redux, Node.js, D3.js, Django, Django REST Framework, Spring Boot, pandas, NumPy, Jest
Databases & Tools: MySQL, PostgreSQL, Supabase, Git, GitHub, Docker, Postman, Vercel, Jenkins, Eclipse, PyCharm, IntelliJ, Visual Studio
Methodologies: Agile, Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), OOPS, SDLC, Kanban, Microservices
Certifications: ISTQB CTFL, ISTQB CTAL

Experience

Software Developer Jun 2025 - current
Vizworld Inc. *Minnetonka, Minnesota*

- Boosted productivity 30% by delivering a full-stack student portal using Next.js, Tailwind, Django, and Supabase.
- Achieved 100% API uptime by building Django REST endpoints and integrating PostgreSQL/Supabase.
- Cut release time 25% using automated CI/CD on Vercel with Git-based rollback and staging.
- Secured platform via JWT role access, CORS, and input validation on backend and frontend.
- Collaborated with product and QA teams to prioritize backlog, resolve bugs, and deliver sprint goals on time

Software Developer Nov 2021 - Jun 2023
Tata Consultancy Services (TCS) *Hyderabad, Telangana*

- Delivered high-quality automotive safety software in Agile; developed and maintained multiple Spring Boot APIs with 15+ routes, validated via Postman.
- Improved Kafka-based ECU data processing by implementing distributed consumers, increasing throughput 30% and reducing latency from 3.5s to 0.7s.
- Built a Spring Boot microservice for real-time vehicle sensor data using Kafka Streams, enabling scalable and fault-tolerant diagnostics handling.
- Secured APIs and microservices with OAuth 2.0, OpenID Connect, and JWT authentication for industry-standard access control.
- Coordinated with cross-functional teams to implement scalable architecture changes for ECU modules.
- Implemented and optimized a CI/CD pipeline for seamless software delivery, utilizing Jenkins, Docker, and Git.

Software Developer Jan 2021 - June 2021
CueMath *Bengaluru, Karnataka*

- Improved app performance by debugging and optimizing JavaScript-based learning platforms.
- Researched user interaction data and provided insights that guided curriculum updates and new feature development.
- Integrated new content modules via REST APIs, ensuring seamless backend communication and data consistency

Key Academic Projects

Faculty/TA Matching Platform | *React.js, Flask, Supabase, TypeScript, Python, Git* Jan 2025 - May 2025

- Designed a responsive SPA in React.js with secure role-based access and intuitive UI.
- Built Flask REST APIs with Supabase PostgreSQL backend and implemented ML ranking (TF-IDF, cosine similarity, SVM) at 93% precision.
- Deployed and hosted on Vercel with automated CI/CD pipelines for production readiness.

CrickViz | *D3.js, JavaScript, HTML5, CSS3, Git* Aug 2024 - Dec 2024

- Developed an IPL analytics dashboard in D3.js with six custom visual modules for player metrics and match trends.
- Implemented dynamic data loading and interactivity for fast frontend performance.
- Hosted on GitHub Pages with optimized assets for low-latency user experience.

Air Quality Tracker | *Node.js, Stardog, OWL, RDF, SPARQL, HTML, CSS* Aug 2024 - Dec 2024

- Built Node.js backend for semantic queries and real-time air quality analytics.
- Created a responsive frontend for filtering, sorting, and visualizing live data.
- Deployed system with optimized queries, reducing semantic lookup latency by 20%.

Scrum Simulator | *Node.js, PostgreSQL, JavaScript, Jest, Git* Aug 2023 - Dec 2023

- Designed a responsive frontend for real-time Scrum sprint tracking.
- Built modular RESTful APIs and indexed PostgreSQL backend for performance.
- Deployed with 95% Jest coverage, improving stability and reducing defects by 30%.