

Keerthan K Acharya

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SUMMARY

Highly motivated **Software Engineer** with strong foundations in **Data Structures, Algorithms, and System Design**. Skilled in scalable **web applications, e-commerce platforms, API development, and microservices architecture**, with hands-on experience across **React, Node.js, and Python**. Passionate about building seamless, **user-centric experiences** and delivering **reliable, high-performance, production-ready solutions** at scale.

EDUCATION

Global Academy of Technology, Bengaluru, India
B. E. - Information Science and Engineering

April 2026
CGPA: 8.68

EXPERIENCE

1) Inresco Technology Solutions Pvt. Ltd. - On-Site
Software Engineer(Intern)

June 2025 - Present

- Developed a **Medusa.js + PostgreSQL** inventory platform replacing Powderbyrne's Salesforce; implemented supplier, concierge, pricing and led **ETL** to migrate **28,000+** records with **0%** data loss and data validation.
- Integrated an **AI-powered chatbot** integrated with Medusa, enabling queries across **200+** e-commerce tables, generating SQL queries, and producing graphs for statistical comparisons using **GPT-4** and **FastAPI**.
- Architected a **Pub/Sub activity logger** capturing **100%** of booking events/state changes, powering a instant concierge timeline UI; cut investigation time by **70%** and improved incident-resolution rate to **93%**.

PROJECTS

1) SurakshaPath - Hackathon Finalist
React.js + Vite, Python(for ML), Flask

May 2025

- Implemented SurakshaPath, a **full-stack** safety route planner in 24 hours during a national-level hackathon (130+ teams) leveraging **React, Node.js, and Leaflet.js** with **less than 8s load time** on **Vercel**.
- Formulated a **Python-based ML pipeline (85% accuracy)** working with **scikit-learn** to classify **500+** news articles as 'risky' or 'safe' and extract **geo-coordinates** for **real-time risk mapping** on a **heat-layered map**.
- Programmed a trusted SOS alert system operating with **Node.js** and **geo-location** to instantly notify **5+** **emergency contacts** and **emergency services**, reducing manual alert time by over **70%** in simulated test cases.

2) VTU Youth Fest Platform – Freelance Project for VTU, Belagavi
JavaScript, TypeScript, Prisma ORM, PostgreSQL

March 2025

- Headed **full-stack development** of a **high-traffic** event registration platform for VTU's statewide cultural fest, handling **70+ requests/minute** and enabling participation from **100+ colleges** and **3,500+ users**.
- Secure authentication(JWT) and optimized database workflows, enabling **10,000+** safe and efficient transactions.
- Recognized as Technical Head**; directed a **30-member student team** in **system architecture, agile execution, testing, deployment, and end-to-end delivery** of the platform within a **3-month deadline**.

SKILLS

- 1) Programming & Frameworks: Express.js, Next.js, AngularJS, Medusa.js
- 2) Databases & Data Engineering: Redis, ETL Pipelines, Pub/Sub, MongoDB, GraphQL
- 3) System Design & Security: TLS, Firewalls, CI/CD, Performance Tuning, Authentication
- 4) DevOps & Cloud: Git, GitHub, CI/CD, Agile/Scrum, Operating Systems, Computer Networks
- 5) UI/UX & Tools: ag-Grid, Firebase Auth, RBAC, Figma, Webhooks
- 6) Testing & ML: Postman, Debugging, Manual/Automated Testing

CERTIFICATIONS

AI&ML Engineering | Java Foundation | Web Development | Data Structures | Python | UNIX&Linux

ACHIEVEMENTS

1) Top 10 Finalist

For developing Surakshapath out of 130+ teams in a 24-hour national-level hackathon.

2) 1st Runner-up in a technical event at college - Received cash prize and medal

Created a terminal-based food delivery application in Python within one hour, demonstrating quick prototyping skills.

3) Ranked third place in a technical event at college - Received cash prize

Solved various challenges such as blind coding, DSA, logical reasoning etc.

4) Represented Karnataka at National Sports and Games in Kabaddi