CHANDRASHEKAR TIRUNAGIRI

(515) 815–931 |chandra3@iastate.edu | www.linkedin.com/in/chandrashekar-tirunagiri-4647411b7

EDUCATION

Iowa State University, College of Engineering Ames, Iowa   *Expected Graduation:* **May 2025**
Bachelor of Science in Software Engineering, **GPA: 3.48/4.0**

SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, CSS, HTML, Linux, Bash, C/C++.
- **Frameworks:** React Native, Spring Boot, Maven, Node.js, Express.js, NextJs.
- **Cloud Platforms:** AWS (Lambda, S3, RDS).
- **Databases:** SQL (PostgreSQL, MySQL), MongoDB.
- **Hardware:** Raspberry Pi for Weather Data Integration.
- **Methodologies:** Agile, Full Stack

PROFESSIONAL EXPERIENCE

IT services | *Position: Student IT Support*   **Ames, IA**
- Conducting software analysis to identify and eliminate viruses present in the device   *August 2022 - Present*
- Help professors with various teaching technologies and resolve tickets created by them
- Maintained and updated the website which have data for ISU Professors info and their research.(Reactjs, Nodejs, MYSQL)
- Configured Linux-based NAT/Router on a virtual machine, set up a web server in Linux, and established file sharing using NFS/NIS

Kingland |*Position: Software Engineer*   **Ames, IA**
- Developed client-side applications using AWS, Java, Angular, and SQL.   *May 2023 – August 2023*
- Maintained Kingland's legacy application, created new views, tables, functions, and triggers
- Developed and updated terraform scripts; conducted log reduction tasks using SumoLogic.
- Worked on CI/CD implementation using GITHUB actions and docker.
- Wrote RESTful API services in Java language wrote unit test cases and integration test cases to test code quality.
- Swagger for documentation and Rest Assured for System Testing,
Technologies: Java, Python, Postgres, Docker, AWS, Git, Github actions, Terraform, Jira, JSP, Angular, Postman

Tutoring services | *Position: Tutor*   **Ames, IA**
- Tutored ISU students in Computer Science, Math and Economics   August 2021 – May 2022

PROJECTS

ShopEase (MERN Stack, COMS 319)
- Developed a MERN-based e-commerce site for eco-products.
- Integrated AI chatbot, secure login for users/admins, and Raspberry Pi(used python to get data) for live weather.
- Admin features: CRUD for products, secure payment gateway.
- User features: Product search, cart management, secure payments.

FitQuest Backend (COMS 309)
- Utilized Agile methodologies to collaboratively develop FitQuest, a comprehensive fitness application with social media features. The app allows users to engage in real-time chats, locate and add gyms, set diet objectives, view leaderboards, and search for fitness centers.

- Led backend development using Spring Boot (Maven, CRUDL Operations), Rest API's, Postman, Hibernate, MySQL, Swagger for documentation and Rest Assured for System Testing. Implanted CI/CD pipelines to auto deploy code and used WebSocket technology for real-time messaging for the community and chatting with friends.

LEADERSHIP

- Secretary, Indian Student Association, Iowa State.
- Treasurer, Google Student Developers Club

AWARDS

- International Merit Scholarship
- Dean's List(Top 2% of the class)