Naga Venkata Dharani Viswanadh Chinta

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EDUCATION

- **Arizona State University** — Tempe, AZ
  MS in Computer Software Engineering — *Jan 2023 - present*
  Ongoing Courses: Mobile Systems, Advanced Data Structures & Algorithms, Distributed Databases, Operating Systems

- **Birla Institute of Technology and Science(BITS)** — Pilani, India
  BE in Electronics and Communication Engineering — *Aug 2017 - May 2021*
  Courses: Linear Algebra, Number Theory, Discrete Mathematics, Cryptography, Probability & Statistics, Communication Network, Computer Architecture, Digital Signal Processing, Introduction to harmonic functions

SKILLS SUMMARY

- **Languages:** Rust, Python, C, C++, Go, HTML, CSS, Java, JavaScript, SML, Prolog, Matlab, XML
- **Frameworks:** Django, FastAPI, Express, Node.js, ReactJS, React Native
- **Tools:** SQLAlchemy, AWS, Docker, GraphQL, Git, Kibana, JIRA
- **Platforms & DataBases:** PostgreSQL, MySQL, Elasticsearch, DynamoDB, MongoDB, Redis, Windows, Linux, Github Actions(CI/CD)
- **Miscellaneous:** Distributed Software Development, Object Oriented Programming, System Design, Design Patterns

WORK EXPERIENCE

- **Mewt** — Bengaluru, India
  Software Developer — *May 2022 - Nov 2022*
  - **Bank Statements Microservice**: Streamlined product stability by identifying and addressing the root causes of the top four user-reported issues, thoroughly testing and debugging the solutions, resulting in fewer defects and increased reliability. Tech-stack: Django, Python
  - **Onboarding Microservice**: Pioneered the use of publish-subscribe pattern using AWS SNS and SQS to enable async microservices communication, resulting in a decrease of over 50% in API runtime. Tech-stack: Python, AWS
  - **Account Verification Feature**: Facilitated a 63% reduction in Amazon costs by implementing effective cost-cutting methods, such as exporting CloudWatch logs, caching at the API gateway level, and rate limiting based on identified critical areas for optimization. Tech-stack: Python, AWS, DynamoDB
  - Analyzed performance of all AWS Lambda functions using AWS Lambda Power Tuning, providing optimized recommendations for enhanced efficiency and streamlined operations for the organization.
  - **Backend Monorepo**: Initiated the use of AWS SAM for automated serverless application deployment, reducing resource generation time by over 50% and streamlining infrastructure management, resulting in a faster and more efficient development process. Tech-stack: AWS, IaC

- **Infor(India) Pvt. Ltd** — Hyderabad, India
  Associate Software Engineer — *Jun 2021 - May 2022*
  - **LFSO Module**: Identified root causes of scheduling and forecasting issues in the WFM project's LFSO module, debugged and tested solutions to ensure product quality and stability. Tech-stack: Java, JavaScript, MySQL.
  - Performed in an Agile (SCRUM) environment/team, focusing on sprint-by-sprint deliveries.

- **Zaggle Prepaid Pvt. Ltd** — Hyderabad, India
  Backend Developer Intern — *Aug 2020 - Dec 2020*
  - **Zaggle Save Module**: Contributed to the development and testing of Zaggle Save, achieving a 90% test coverage rate through comprehensive unit and API testing. Resulted in enhanced product quality and reduced post-release issues. Tech-stack: Ruby on Rails, RSpec, Postman
  - Collaborated in developing test codebase from scratch to 10% using the object-oriented model for the whole production code-base written in Ruby within a couple of months incorporating the business logic.

PROJECTS

- **MediStreamPACS**: Developed a sophisticated DICOM server and parser, ensuring secure and efficient medical image management. Engineered robust backend services, including authentication, authorization, and over 30 test cases for data integrity and compliance with medical standards. Tech-stack: Python, Django.

- **Earthquake Web App**: Built a full-stack web application using Node.js with Express on the server side and React on the client side. Configured search functionality to empower users to explore USGS earthquake data, leveraging Elasticsearch for efficient data retrieval, and enhanced data exploration and visualization using Kibana's powerful features. Tech-stack: Node.js, Express, React.js, Elasticsearch, Kibana **Github**: Earthquake App

- **Listify**: Developed a FastAPI project that implements CRUD operations, REST API, and include authentication and authorization using OAuth token barrier, while also Dockerizing the app using Docker. The project's objective was to provide a functional API that allows for easy deployment and scaling. Tech-stack: Python 3. 9, FastAPI, SQLAlchemy, Pytest, Docker **Github**: Listify App

- **Kiwi Language**: Developed Kiwi, a user-friendly imperative programming language with a minimalistic design, familiar syntax, and built-in data types, logic operators, and the ternary operator. Designed and implemented the grammar for Kiwi, featuring functions, blocks, variable declarations, commands for output, assignment, conditionals, loops, and function definitions with input parameters and return statements. **Github**: Kiwilang