Lok Sai Asrith Cheepurupalli

Full-Stack Developer • AI-Driven Builder • B.Tech CSE Student
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About Me

I'm a builder at heart — I create tools that solve my own problems and learn by finishing what I start. Whether it's scripting something simple or deploying an app end-to-end, I enjoy taking full ownership. I'm especially interested in full stack systems and automation, and I see HENNGE as a place where I can both grow and contribute.

Technical Skills

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS
Frameworks & Tools: FastAPI, Flask, React, TailwindCSS, Git, GitHub Actions, Docker
DevOps & Platforms: AWS EC2/S3, Render, Netlify, Docker Compose
Other: REST APIs, JWT Auth, Markdown, Bash, Postman

Key Projects

AI Debug Assistant – Error Log Summarizer Fixer [GitHub]
- Accepts .log, .py, or traceback text and summarizes errors
- Suggests fixes, links to docs using LangChain + OpenAI

ShortLinker – FastAPI-Powered URL Shortener with Charts [GitHub]
- FastAPI + MongoDB short link service with click tracking
- Displays daily visit analytics with Chart.js

Screen2MD – Screenshot-to-Note Converter with OCR [GitHub]
- Extracts text from screenshots using Tesseract OCR
- Saves as Markdown/PDF with auto-tagged filenames

FlaskPress – Markdown Blog with Full CI/CD Workflow [GitHub]
- Flask blog with Markdown content and tag filtering
- Includes edit/delete, RSS feed, and GitHub Actions CI/CD

SecureTOTP – One-Time Password Generator CLI [GitHub]
- Generates RFC6238-compliant TOTP codes from email or secret
- Python CLI tool with HMAC-SHA512 + timestamp accuracy

Education

Gayatri Vidya Parishad College of Engineering (Autonomous)   *Aug 2023 – Jul 2027*
Bachelor of Technology in Computer Science Engineering   *(expected)*
Coursework: Data Structures, Algorithms, Operating Systems, DBMS, Computer Networks

Certifications

- Google IT Automation with Python – Coursera
- AWS Cloud Practitioner
- DevOps with GitHub Actions and Docker (self-taught)
- JavaScript and Web Foundations (Codecademy)

Strengths

- Finish-what-you-start mindset — builds projects end-to-end solo
- Curious learner, adapts quickly to unknown tools
- Self-driven developer with full-stack and deployment awareness
- Passion for clean backend systems and developer-centric tooling

Languages

- English: Fluent (C1)
- Japanese: Beginner (learning)
- Telugu: Native
- Hindi: Intermediate