

Santhosh Aditya

Bengaluru

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SUMMARY

A Strong generalist who has a knack for researching ambiguous, technically challenging problems. Loves cross-domain exploration and engineering products from first principles

EXPERIENCE

•Pulse Energy

Aug 2025 - Nov 2025

Senior Backend Engineer

Bengaluru

- **Architected a centralized Logs, Alerts, and Metrics system** for 10,000+ chargers, improving system reliability and facilitating proactive incident response for enterprise clients.
- Researched and Built Mobile and Web APIs for Review Management(feedback collection, review expiry, periodic review requests) and Refund Processing
- Implemented geofencing with configurable radius for station whitelisting
- Tech: Technical Discovery, Scope Optimisation, Payment Gateway Integration, System Design, Node.js, Type-Script, SQL.

•Yulu

June 2024 - July 2025

Contract AI Engineer

Bengaluru

- **Laid foundation for their Internal AI powered Chatbot** that helps customer execs answer user queries efficiently
- Managed stakeholders across Customer Service, backend and data teams and built several prototypes
- Shipped v1 that reduced query resolution time from 7 minutes to 2 mins
- Built Multi-Agent architectures that collate information from various real time services
- Tech: Python, ReactJS, FastAPI, Google ADK, OpenAI Agents SDK, AWS Bedrock

•G2

June 2024 - April 2025

Full Stack Developer

Bengaluru/ Remote

- Redesigned of the Analytics Backend to support multi-platform integrations enabling data-driven ROI analysis that increased customer renewals by 93%.
- Collaborated with Product Management to define and validate A/B testing strategies for new ROI solutions
- Led a team in company's internal hackathon, delivering functional MVP of an AI Onboarding Agent that reduces friction during user onboarding journey in just 3 days
- Organized internal weekly technical talks on code quality and internal processes to reduce potential technical debt and improve speed of iteration while building new features; I personally gave 2 talks: defining interfaces and managing dependencies
- **Skills:** A/B Testing, ROI Analytics, Product Discovery, Stakeholder Management, Rapid Prototyping (AI), System Design, Ruby on Rails, RSpec, SQL, design patterns, automated tests, SaaS

•Velocity

June 2022 - June 2024

Software Engineer

Bengaluru

- **Owned the entire underwriting service** right from its inception where I built features end to end, handled scaling, deployment pipelines and operated the server and serverless infrastructure
- **Recognised for developing an IRR model, a rule based rejection model and a statistical credit scoring model in a short span.** Together these automated 68% of credit decisions and reduced average underwriting pipeline TAT from 5 days to 1.7 days
- **Worked alongside data engineering team to architect data pipelines that scale and implemented solutions that reduce costs.** Migrated 2 sources of a data pipeline to a re-architected pipeline that resulted in cost savings of 1.5lakhs per month
- Helped build a new streamlined customer data collection system which led to reduction of loan disbursement TAT by 28%.Built an internal wrapper around openpyxl to generate and serve complex financial spreadsheets to users.
- **Planned and migrated a serverless system to FastAPI server**, and built an internal operations pipeline powered by an S3-backed SFTP server and BigQuery
- Tech: Python, NodeJS, Ruby on Rails, SQL, Airbyte, Step functions, Github Actions, Terraform, Kubernetes, Cloud Watch, S3, Redis, NoSQL, Apache Beam, Pandas, Serverless, Devops, BigQuery, GCS, Lambda, DynamoDB, Agile, Microservices, caching, CI/CD, Google Cloud, design patterns

•Cracku

Full Stack Developer

Sept 2021 - May 2022

Hyderabad

- Developed a QA forum(GMATPoint) and built the Store module. Created dashboards and visualizations for internal logistics and marketing teams
- Built a public-facing GMAT score calculator and a leaderboard using user and publicly scraped data, enhancing user engagement.
- Tech: Python, Django, Django REST Framework, Postgres, RabbitMQ, d3.js, HTML/CSS, JQuery, Cloudfunctions, MVC

NOTABLE SIDE PROJECTS

•Browser Native AI powered Ad Blocker

A chrome extension running a native CLIP model using WebGPU/WASM that detects Ads on websites. Real-time nature. Fully offline

- Tech: Javascript, Chrome Extension, transformers.js, ONNX, Web API Link

•A simple Contextual Memory Store for AI Agents

Built a AI chat app powered by Long Term Memory store that remembers user persona across conversations

- Tech: Entity Extraction, LLM as Judge, Google ADK, MongoDB, python, FastAPI, ReactJS, Supabase

•Contribution to OSS Project Agentive

Designed and developed a fallback strategy for unextractable key-value pairs of OCR data

- Tech: FastAPI, python, Azure DocAI Intelligence

•A Near Real time Micro-Batched Sensor Data Pipeline

Tech: python, Data Lakes, multiprocessing, pandas

•Identity Reconciliation System

Track users across different phone numbers and emails

- Tech: Typescript, Express, Prisma

TECHNICAL SKILLS

Languages: Python, Javascript, ES6, Typescript, Ruby, HTML5

Frameworks: Django, Django REST Framework, Ruby on Rails, FastAPI, Nodejs, Node, React, ReactJS, Vue, Flask, Pandas

Databases: PostgreSQL, MySQL, BigQuery, Redis, S3

Cloud: AWS, Docker, kubernetes(k8s), Lambda, GCP, Cloud Functions, Step Functions

Tools: Git, Postman, JIRA, Confluence, Claude Code, Cursor

Domains: Applied AI, REST APIs, OAuth, Database Design, Frontend, Unit Testing, End to End Testing, Serverless, Integrations, ETL, Analytics, Version Control, back-end, front-end, data-analytics, Containerization, Troubleshooting, grafana, cloudwatch, debugging, deployment, cloud computing, technical support, software development, cross functional, data structures, functional programming, Infrastructure as code, code review, full-stack, customer journey, collaboration. problem solving, integration testing, infrastructure-as-code, communication skills,business objectives, customer needs

ACHIEVEMENTS

- Built a Multi-Agentic model prototype within 3 days at G2 company-wide hackathon
- Secured State First rank in Physics in Andhra Pradesh DEECET 2017
- Gave a Flash Talk on Svelte at RubyConf India 2024