

# Annam Sai Kiran

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## EDUCATION

### RAGHU ENGINEERING COLLEGE

B. Tech IN CS

Graduation Expected by May 2024

**CGPA - 8.32 / 10.0**

### Narayana Junior College

Intermediate, MPC

03/2018 - 04/2020

**GPA - 9.82 / 10.0**

## COURSEWORK

Data Warehouse And Data Mining

Data Structures And Algorithms

Design Algorithm and Analysis

Operating System

Database and Management System

Computer Networks

Computer System Organization

Software Engineering

Artificial Intelligence

Probability and Statistics

Calculus

## SKILLS

### Programming Languages :

C • C++ • Python • R

• Javascript • Shell Scripting

• TypeScript

### Database & Management System:

• MySQL • MongoDB • Prisma

### Frameworks & Libraries :

Next Js • React • Bootstrap

• jQuery • Tailwind CSS

• NodeJS • ExpressJS

### Data Visualization :

HTML/DOM • Javascript(ES6)

CSS

### Operating System:

• Linux

• Windows

### Miscellaneous :

Git • Github • Visual Studio Code •

Google Firebase • Notion • Jira

Jupyter Notebook • Pycharm

## EXPERIENCE

### FRIDAY AI PRIVATE LIMITED

JUN 2023 - SEPT 2023

Software Developer-INTERN

- Designed and implemented streamlined API integration, **enhancing system efficiency by 15%** through optimized API calls for seamless product retrieval from the FridayAI database.

- **Contributed to the microservice architecture development**, incorporating AWS Lambda for Shopify API interactions.
- Designed user-friendly sign-up interfaces, leading to a rise in registrations on the FridayAI portal.
- **Contributed to Data Security Enhancement by implementing SHA-256 encryption** for custom URLs of the products, ensuring robust safeguarding of product data.

### KEYSOFT IT PRIVATE LIMITED

AUG 2022 - MAR 2023

Software Developer-INTERN (Remote)

- Collaborated with the team for the development of "Mughals - Online Food Ordering System" **achieving a notable 41% increase in weekly orders**, showcasing valuable client-driven outcomes.

- Streamlined operations by integrating Strapi CMS with Next.js, **optimizing product management and user order processes for efficiency.**
- **Ensured seamless transactions by collaborating with Stripe** for a smooth and secure purchase experience, showcasing payment gateway expertise.
- **Designed and developed a customer order tracking page** in Figma and through coding, enhanced user satisfaction and experience.

### LAMPRO TECH LLP

FEB 2022 - JUL 2022

Software Developer-INTERN

- Contributed to the "True Captcha" project, **pioneering AI-powered captcha solving for enhanced user experience**, improving web security.

- Crafted captivating UI layouts and components in Figma, ensuring a user-friendly, aesthetically pleasing interface.
- Trained specialized ML models for captcha solving, optimizing accuracy and efficiency.
- Translated Figma designs into code, coding React components to seamlessly align with the design vision.

## PROJECTS

### Chat Burst:

- Build and Deploy a Chat Application That **Scales Horizontally with Web Sockets and Upstash Redis**

- Chat Burst is a real-time messaging application built with **WebSockets, Redis Pub/Sub, and Docker**.
- It displays connection count and emphasizes **CI/CD automation, showcasing Fastify, Next.js, and Tailwind UI**.
- Hosting on DigitalOcean and Vercel ensures reliable backend and frontend performance.

**Technologies used:** Fastify, Next.js, Tailwind UI, socket.io, Redis, Docker, and GitHub Actions for an efficient and scalable chat application.

### Gate Master:

- Multi-Tenant Role-Based Access Control (RBAC) Authentication API

- **Developed a Multi-Tenant Role-Based Access Control (RBAC) Authentication API** using Drizzle ORM, Fastify, PostgreSQL, and TypeScript.
- Achieved secure user management, role assignment, and permission validation, emphasizing RESTful design.

**Technologies used:** Drizzle ORM, Fastify, PostgreSQL, TypeScript.

### CogniHub:

- Designed and built a versatile SaaS AI platform web app.

- offering **subscription-based access and token options for diverse AI tools**.
- enabling users to harness creative and data-driven solutions.
- Hosting on DigitalOcean and Vercel ensures reliable backend and frontend performance.

**Technologies used:** Next.js, React.js, Tailwind CSS, Prisma, Stripe, Clerk Authentication, OpenAI (for image and conversation generation), Replicate AI (for video and music generation).

### Sneaker Oasis:

- The eCommerce website was built using Next.js for the front end, which provides fast page loading and improved SEO.

- The CMS was built using Strapi.
- Stripe for payment integration, allowing customers to securely make purchases on the site.
- Deploy on Vercel, providing a fast and seamless shopping experience for customers.

**Technologies used:** Next.js, Strapi, Stripe, NoSQL, Cloudinary, Node.js, Vercel.

## Research Paper and Publication - [Paper Link](#)

### ADVANCES IN DIMENSIONALITY REDUCTION TECHNIQUES FOR FACE RECOGNITION: A COMPARATIVE ANALYSIS *ICCCIS-IEEE*

My study focuses on the latest developments in dimensionality reduction techniques for improving face recognition systems. Introducing 2D PCA, a novel image representation technique.

## CERTIFICATION & ACHIEVEMENTS

**\*\* AWS CLOUD PRACTITIONER** issued by AWS Web Services - (score: 780/1000)

**\*\* I completed the Python Data Structures** course offered by the **University of Michigan**.

**\*\* Participated in an OpenAI GenerativeAI hackathon** and our team was ranked in the **top 10** out of 60 teams.

**\*\* Participated in HackCbs Hackathon.**

**\*\* Problem-solving, SQL, Rest API, Javascript** issued by HackerRank.

## EXTRACURRICULAR ACTIVITIES

**Core Organizer - Google I/O Extended 2023, initiated by GDG Vizag and WTM.**

- Coordinated Google I/O Extended 2023, a massive tech event with 400 attendees, promoting global networking and knowledge sharing.

**Organizer - Google DevFest 2022, initiated by GDG Vizag and WTM.**

- Organized Google DevFest 2022, uniting 600 attendees in a vibrant tech extravaganza, showcasing my adeptness in managing sessions and fostering global networking.

**Volunteer - Number Crunching Event, initiated by CSI (Raghu Engineering College).**

- Volunteered at a 2022 college event, skillfully managed 200 attendees, showcasing curation and coordination skills for global networking and knowledge sharing.

**Volunteer in a Coast Clean Up Drive, in association with the AYUDH club.**

- Volunteered in cleaning Azheekal beach in a nationwide coastal clean-up drive as a part of the "Swachh Sagar, Surakshit Sagar" program initiated by the Government of India.