

# Anirudh M Rao

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## SUMMARY

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Final-year B.Tech Computer Science student passionate about building scalable web applications and solving real-world problems with clean, efficient code. Seeking a software development role to apply and enhance my full-stack skills in a dynamic environment.

## EDUCATION

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**SRM Institute of Science and Technology, Chennai**

2022 - 2026

*Bachelor of Technology in Computer Science*

**CGPA: 9.37**

**DAV School, Chennai**

2021 - 2022

*Class XII . CBSE . Computer Science and Engineering*

**Percentage: 85%**

**DAV School, Chennai**

2019 - 2020

*Class X . CBSE*

**Percentage: 93.2%**

## EXPERIENCE

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**Prodapt Solutions Pvt Ltd, Chennai, IN**

June 2024 – July 2024

*Python Developer Intern*

- Engineered a REST API-integrated conversational agent using Azure OpenAI Service and Python, enabling seamless integration of GPT models and achieving a 98% success rate in accurate response generation.
- Refactored the input-output pipeline with asyncio for efficient prompt handling, boosting system throughput by 5x and reducing response time.
- Implemented robust API key authentication and input validation, and decreased potential vulnerabilities by 70% during routine penetration tests.

## PROJECTS

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**Wexford** / Next.js, NextAuth, Tailwind CSS, Razorpay, Mongoose, MongoDB

 [Github](#)

- Built a full-stack Next.js application with server-side rendering, secure API routes, and responsive UI, improving load performance by ~30%.
- Integrated Razorpay Payment Gateway with order creation, verification, and transaction status tracking, handling real-time payments with 100% accuracy.
- Designed and implemented MongoDB database schemas for users, and transactions, enabling efficient storage.
- Added authentication and authorization using NextAuth.js, ensuring secure user sessions and preventing unauthorized payment access.

**Bitlinks - URL Shortener** / Next.js, Tailwind CSS, MongoDB

 [Github](#)

- Built a full-stack URL shortener web application using Next.js, MongoDB, and TailwindCSS to generate and share shortened links.
- Designed and integrated MongoDB Atlas database with dynamic routing in Next.js to securely store and resolve original URLs.
- Implemented redirection logic and API endpoints, improving user experience by ensuring fast and reliable link resolution.
- Utilized environment variables and secure configuration practices to manage database connections and API keys.

## TECHNICAL SKILLS

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**Languages:** C++, Python, JavaScript

**Web Technologies:** React.js, Next.js, Node.js, Express.js, HTML, CSS

**Database Systems:** MongoDB, MySQL, Mongoose

**Tools:** Git, Github, Netlify, Vercel, Postman, Figma

**Certifications:** Python for Data Science (NPTEL), Ultimate Web Development Course (Udemy 2025)