


# SYED AHAMED

BACKEND DEVELOPER | NODE.JS

 AI-Powered Web Portfolio

 zyedrazer.22@gmail.com

 +91 807 230 1937

## PROFESSIONAL SUMMARY

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Backend Developer with 3 years of experience building secure, scalable systems using REST APIs and AI-driven solutions across finance and healthcare domains. Skilled in designing robust architectures and integrating advanced features like RAG and voice-based agents. Currently enhancing expertise in Data Structures & Algorithms (DSA), security measures, and Docker-based containerization to deliver high-performance, reliable backend systems.

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## SKILLS

- Backend Technologies: Node.js, Express.js, NestJS
  - Programming Languages: JavaScript, TypeScript, Python
  - Database: MySQL, Neo4j
  - Testing/ Tools: Burp Suite, Postman, Jest, Git, ORM
  - Security: JWT Authentication, RBAC Authorization
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## WORK EXPERIENCE & PROJECTS

**Backend Developer | ILM UX Pvt. Ltd.**

JULY 2022 – JUNE 2025

### Voice-Based AI Agent:

- Built a voice-enabled agent that presents PDF content and engages users in contextual, knowledge-based conversations.

### Financial & Wealth Management System:

- Scraped and processed 150K+ records from website UI using Cheerio to support customer acquisition and accelerate business growth.
- Improved Neo4j query performance by 90%, reducing the time to export a person along with their entire family from 20 seconds to 2 seconds.
- Developed an AI-powered RAG application for financial analysis, leveraging SQL to manage complex databases and create dynamic charts for real-time data visualization.

### Multi-Lingual Healthcare Management System:

- Developed a secure, multi-lingual healthcare application with role-based access control (RBAC).
- Integrated a large patient assessment question set into the database in 5+ languages

## ACHIEVEMENTS & HONORS

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- Discovered and disclosed a major vulnerability in a leading Indian telecom platform affecting 387 million users. The issue was already under internal review, and my report helped prioritize the fix. [🔗](#)
- Discovered an account takeover vulnerability in a social media app with 3 million users, reported it responsibly and received acknowledgment and appreciation for enabling a prompt fix. [🔗](#)

## CERTIFICATION

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### MCP: Build Rich-Context AI Apps

Certification ID : Anthropic



### Neo4j Certified Professional

Certification ID : GraphAcademy



### Programming Using Python

Certification ID : GUVI Certification

## CURRENTLY ENHANCING SKILLS IN:

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- Data Structures & Algorithms (DSA): Strengthening problem-solving skills and improving efficiency in code optimization and algorithm design.
- Docker: Learning the basics of containerization and its use in development.

## ROLES & RESPONSIBILITY

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- Design, develop, and maintain scalable APIs to support high-performance applications.
- Optimize algorithms to improve system efficiency, speed, and resource utilization.
- Conduct comprehensive unit testing to ensure code quality, functionality, and reliability.
- Create and maintain detailed API documentation for ease of use and integration.
- Perform code reviews to identify potential vulnerabilities, improve code quality, and ensure adherence to best practices.
- Conduct API penetration testing to identify and mitigate security risks and vulnerabilities.
- Collaborate with frontend teams to ensure seamless integration and system performance.

## EXPLORED & APPLIED SKILLS

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- AI: Domain-Specific Chatbots, RAG with SQL, Generative AI, MCP Server
- AI Frameworks: Langchain, Livekit
- Additional Skills: Web Scraping, WebSockets, Api Penetration testing
- Database: MongoDB, Redis

## EDUCATION

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- Bachelor of Computer Applications (BCA), Thiruvalluvar University – 2020 CGPA – 6.52