Budireddy Atchuth Kumar ☎ +91-8331088013

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 LinkedIn

PROFESSIONAL SUMMARY

Software Development Engineer skilled in **Data Structures, Algorithms, Object-Oriented Design, backend development, and distributed system fundamentals**. Experienced in building scalable backend services using **Python, Django, DRF, SQL/NoSQL** and writing clean, efficient, and well-tested code. Strong debugging, problem-solving, and analytical skills proven through complex project implementations. Passionate about building large-scale systems, optimizing performance, and applying CS fundamentals to real-world challenges.

EDUCATION

- **Bachelor of Technology in Information Technology**   *2022–2026*
  Sri Venkateswara College of Engineering and Technology, Chittoor   CGPA: 8.53/10

INTERNSHIP EXPERIENCE

- **YBI Foundation**   *May 2024 – Jun 2024*
  Data Science Intern   Remote
  - Automated preprocessing workflows using Python, applying algorithmic optimizations for faster execution.
  - Improved modularity and efficiency of codebases by debugging and restructuring modules.
  - Applied analytical problem-solving to interpret datasets and build reliable ML pipelines.

- **Datavalley Pvt Ltd**   *Apr 2024 – Jul 2024*
  Full Stack Developer Intern   Remote
  - Developed backend services using **Python + Django**, implementing scalable REST APIs and database models.
  - Improved system performance by optimizing SQL queries and refining backend logic.
  - Debugged system-wide issues, ensuring reliable integrations across frontend–backend layers.
  - Used Git, testing tools, and Agile workflows to ship features rapidly and reliably.

TECHNICAL PROJECTS

- **UrbanHome – Property Listing Web Platform**
  Backend-focused platform for scalable property search and user workflows.
  - Built modular backend architecture using Python, Django, and SQL to support multi-parameter search and high-volume queries.
  - Implemented secure authentication (JWT), request validation, and efficient API routing.
  - Optimized query performance, reducing response times by 15% for complex filters.
  - Followed clean code, OOPs, and SDLC practices aligned with scalable system design.

- **ConnectionHub – Social Networking App**
  Feature-rich social platform with messaging, notifications, and interactions.
  - Built microservice-like backend modules using Django, supporting posts, profiles, and engagement workflows.
  - Developed **real-time messaging** with Django Channels + Redis, improving system responsiveness.
  - Implemented caching, rate-limiting, and session optimizations to enhance performance.
  - Applied design patterns and reusable abstractions for scalable feature development.

TECHNICAL SKILLS

Languages: Python, Java,HTML,CSS,JS

Core CS: Data Structures, Algorithms, OS, DBMS, OOPs, Distributed Systems Basics

Backend: Django, REST APIs, Microservice Architecture

Databases: SQL, MySQL, PostgreSQL, MongoDB

Cloud/Tools: Git, GitHub, Docker (basic)

Software Development: System Design Basics, Debugging, Performance Optimization, Testing

Soft Skills: Communication, Ownership, Problem Solving, Analytical Thinking, Leadership Principles Mindset