Tanveer Sheikh
Portfolio

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EDUCATION

National Institute of Technology, Warangal — Warangal, India
Master of Technology in Computer Science and Information Security; CGPA: 8.16 — *Jul 2024 – May 2026*

Rajiv Gandhi Proudyogiki Vishwavidyalaya - CDGI — Indore, India
Bachelor of Technology in Computer Science and Engineering; CGPA: 7.51 — *Aug. 2018 – May 2022*

EXPERIENCE

Intel Corporation — Bangalore, India
Software Engineering Intern — *May 2025 – Present*
- **Telemetry Data Acceleration**: Converted XML telemetry structures to FlatBuffers '.bin', achieving 82% parsing speed improvement.
- **Linux-based Optimization**: Enhanced memory throughput via efficient serialization using C++ and Python on Unix/Linux systems.
- **Modular Software Design**: Refactored telemetry pipeline with scalable architecture across distributed telemetry components.

MXPERTZ Technologies — Indore, India
Lead Software Developer — *Jul 2023 – Jan 2024*
- **Team Leadership**: Managed a 6-member team delivering 7+ enterprise projects with zero deadline slippage.
- **Product Design**: Developed high-availability backend services using ASP.NET with robust SQL reporting.

Zensar Technologies (Training Program) — Remote
Full-Stack Developer Trainee — *Dec 2022 – Mar 2023*
- **RESTful Development**: Built secure APIs in Django integrated with React.js and SQLite.
- **Security Compliance**: Implemented preventive measures for SQL injection and session hijacking.

PROJECTS

- **MNIST Digit Recognizer (Scratch + TensorFlow)**: Developed ANN/CNN classifiers using backpropagation, NumPy, and TensorFlow. Compared baseline accuracy with tuned Keras models.
- **Multimodal RAG Chatbot**: Created a Retrieval-Augmented Generation chatbot for PDFs/images/tables using LangChain, OpenAI, and ChromaDB.
- **Influencer Hub**: Engineered a marketing dashboard with OTP-based login, Django REST API backend, and React.js frontend.

TECHNICAL SKILLS & CERTIFICATIONS

- **Languages**: Python, C++, Java, JavaScript, Go (Basics), Dart, SQL, HTML, CSS
  Tools/Frameworks: Django, ASP.NET, React.js, Flutter, FlatBuffers, Jupyter, Postman
  Platforms & OS: Unix/Linux, Windows, Visual Studio
  Databases: Microsoft SQL Server, SQLite
  Core CS Subjects: Data Structures & Algorithms, OS, DBMS, Computer Networks, Compiler Design, Security, Machine Learning
  Certifications: Full-Stack Development (Zensar), Kaggle ML Projects
  Exams: GATE CSE – Top 1.37% All India Rank (2024)
  Interests: Distributed Systems, Security, NLP, Deep Learning, Mobile Development