JANVI MUNSHI

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CAREER OBJECTIVE

Motivated third-year engineering student with a strong foundation in Computer Science and specialisation in **Machine Intelligence and Data Science (CGPA: 8.97)**. Passionate about building scalable software solutions and solving complex problems using clean, efficient code. Seeking a Software Engineer role to leverage my skills in software development, algorithms, and data-driven problem-solving.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, GoLang, Java, JavaScript, HTML, CSS
- **Software Development:** React, Node.js, Express.js, Flask
- **Frameworks & Libraries:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib
- **Big Data & Distributed Systems:** Hadoop, Apache Spark, Apache Kafka, MapReduce
- **Databases:** MySQL, MongoDB, SQL
- **Cloud & DevOps:** Docker, Kubernetes, Jenkins, AWS
- **Developer Tools**: Git, VS Code, RStudio

EDUCATION

- **PES University, Bangalore**

Bachelor of Technology in Computer Science | 2022–2026

CGPA: **8.97/10**

- **Bethany High School, Bangalore**

ISC (Class 12, PCMB) | 2022

Percentage: **92.4%**

- **Bethany High School, Bangalore**

ICSE (Class 10) | 2020

Percentage: **97.7%**

PROJECTS

Emotion-Based Music System — *Python, OpenCV, DeepFace, MusicGen, YouTube Data API*

- Developed an AI-powered emotion detection system using facial recognition to recommend personalized music.
- Integrated YouTube Data API for dynamic music search and interactive playback, improving user engagement.

Medical Query Answering System — *Python, Google PaLM, FAISS, LangChain*

- Built a context-aware Q&A platform leveraging LLMs and FAISS vector databases for accurate medical responses.
- Optimized similarity searches for large-scale medical queries, improving response speed and precision.

Secure Multi-Client File Transfer System — *Python*

- Engineered a scalable file transfer system supporting multiple clients with robust authentication and concurrency control.
- Implemented secure file operations including upload, download, preview, and delete with controlled server shutdown.

Secure Customer Management System — *Python, TCP Socket Programming*

- Designed and deployed a TCP-based customer management application with SSL encryption for secure communication.
- Utilized CSV-based storage for reliable data handling and enabled efficient client-server interaction.

ACHIEVEMENTS & CERTIFICATIONS

- Academic Scholarship (Top 25%) – Semesters 3, 4, and 5
- Distinction Awards – Semesters 1 and 2
- Excellence in Java Programming (High School Recognition)
- HackerRank: Intermediate Problem-Solving, Java Basic Certifications
- AWS: Getting Started with Compute & Serverless
- Atlassian: Get Started with Jira Work Management

EXTRAS

- **Familiar Platforms:** Google Colab, Kaggle, OpenAI API
- **Interests:** Software Architecture, Full-Stack Development, Scalable Systems, Machine Intelligence and Data Science