Prodhosh V.S

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in [LinkedIn](#) ⌂ [GitHub](#)

SUMMARY

Computer Science and Data Science student with proven technical expertise in machine learning and web development. Achieved 87% accuracy in sentiment analysis models, built applications serving 100+ users, and earned multiple industry certifications. Seeking to apply Python, SQL, and analytical skills to drive data-driven solutions.

TECHNICAL SKILLS

Programming	Python, C, C++
Frontend/Backend	HTML, CSS, JavaScript, FastAPI
Data Analysis	NumPy, Pandas, Matplotlib, Seaborn, Excel
Tools	Git, GitHub, VS Code, Jupyter, Spyder

PROJECTS

IMDb Sentiment Analysis Engine (GitHub)

- Developed a logistic regression–based sentiment classifier to process **50,000 IMDb reviews**.
- Achieved **87% accuracy** on binary sentiment classification tasks.
- Implemented an end-to-end Python ML pipeline using **CountVectorizer, pandas, and scikit-learn** for data preprocessing, model training, and evaluation.

IITM CGPA Calculator (GitHub)

- Engineered web-based CGPA calculator serving **100+** IITM BS Data Science students by developing a responsive HTML/CSS/JavaScript interface with real-time grade input and instant CGPA computation.
- Achieved a **75% reduction** in manual calculation time by implementing efficient client-side algorithms and form validation for accurate, on-the-fly GPA processing .
- Enhanced user engagement and accessibility through interactive UI components and responsive design principles, leveraging modern web development best practices .

Quantum Key Distribution Simulation (GitHub)

- Designed interactive **BB84 QKD simulation** demonstrating secure key exchange and real-time eavesdropping detection.
- Developed end-to-end TypeScript application with dynamic visualizations enabling user-driven protocol experimentation.

CERTIFICATIONS

Python for Data Science	NPTEL	Sep 2025
Supervised ML: Regression & Classification	DeepLearning.AI	Sep 2025
Introduction to Generative AI	Google Cloud	Aug 2025
AI For Everyone	DeepLearning.AI	Jul 2025
Fundamentals of ML and AI	AWS	Jul 2025

EDUCATION

Vellore Institute of Technology,	July 2025 - June 2029
Bachelor of Technology in Computer Science and Engineering	

Indian Institute of Technology, Madras,	May 2025 - May 2029
Bachelor of Science in Data Science and Applications - 9.0/10	