

PRODHOSH V.S

Chennai, Tamil Nadu, India

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[LinkedIn](#) [GitHub](#) [Portfolio](#)

PROFILE

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

LEADERSHIP & ACTIVITIES

AI/ML Member — Microsoft Innovations Club, VIT Chennai Oct 2025 - Present

- Contributed to AI/ML projects and workshops, collaborating with peers to explore cutting-edge technologies in artificial intelligence and machine learning.

Technical Team Member — Mathematics Club, VIT Chennai Sept 2025 - Present

- Built and managed the club's technical infrastructure, including website and online resources, to support events and activities.

PROJECTS

ProdShell — Command-Line Portfolio ([GitHub](#))

- Built a **command-line style portfolio** that **showcases projects and web development skills** by designing an **interactive terminal interface** using **HTML, CSS, and JavaScript**.
- Enhanced **user engagement** by adding **interactive commands** and a **minimalist design** to allow seamless exploration of projects.

IMDb Sentiment Analysis Engine ([GitHub](#))

- Developed a **logistic regression-based sentiment classifier** that processed **50,000 IMDb reviews with 87% accuracy** by building an **end-to-end Python ML pipeline** using **CountVectorizer, pandas, and scikit-learn**.

IITM CGPA Calculator ([GitHub](#))

- Engineered a **web-based CGPA calculator** that served **200+ IITM BS Data Science students** by developing a **responsive HTML/CSS/JavaScript interface** with **real-time grade input and instant CGPA computation**.

Quantum Key Distribution Simulation ([GitHub](#))

- Designed a **BB84 QKD simulation** that demonstrates **secure key exchange and real-time eavesdropping detection** by developing an **end-to-end TypeScript application with dynamic visualizations**.

ACHIEVEMENTS

- Completed **Python for Data Science** with distinction — NPTEL, Sep 2025
- Ranked in **Top 10%** in **Supervised ML: Regression & Classification** — DeepLearning.AI, Sep 2025
- Received **Certificate of Excellence in AI For Everyone** — DeepLearning.AI, Jul 2025

EDUCATION

Vellore Institute of Technology, Expected Graduation, June 2029

Bachelor of Technology in Computer Science and Engineering

Indian Institute of Technology, Madras, Expected Graduation, May 2029

Bachelor of Science in Data Science and Applications - 9.0/10