Aryan Kush

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Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science and Engineering — CGPA: 8.60
June 2026
Holy Convent, Delhi — 12th CBSE — 91.8% (2021)
Model School, Rohtak — 10th CBSE — 95% (2019)

Work Experience

Python Web Intern (Remote) — **Sep 2024 – Nov 2024**
Mymegaminds

- Optimized backend using Flask + SQL, boosting traffic 300% and reducing query time by 25%.
- Built DB system handling 500+ daily entries with 99.9% accuracy.

Software Testing Intern — **Oct 2024 – Dec 2024**
Hyaku Innovative Technologies, Jaipur

- Reported 100+ critical bugs, cutting post-release defects by 30%.
- Improved bug-reporting workflow, reducing issue resolution time by 20%.
- streamlined bug reporting,improving issue resolution time by 20% and ensuring ISO 9001:2015 compilance.

Machine Learning Intern — **June 2025 – July 2025**
Rachayitha

- Completed a Summer Internship with Rachayitha's Machine Learning team from June 1, 2025, to July 30, 2025, focusing on the Rachayitha web app
- Contributed to developing and optimizing ML models for core functionalities, specifically in recommendation and content analysis
- Demonstrated strong professional aptitude, described as technically sound, sincere, and hardworking , with successful completion of all assigned tasks.

Projects

DocHealth || GitHub Link — **Dec 2024 – Mar 2025**
HTML/CSS, JS, React, Node, MongoDB, OpenAI, TensorFlow, AWS, Docker

- Implemented SVM + NLP models for medical text classification.
- Developed real-time patient chatbot and doctor reporting dashboard.
- Build reporting and analysis portal enabling doctors to review patients submissions efficiently.

Breast Cancer Detection System || Github Link — **Jan 2025 – Apr 2025**
Python, Scikit-Learn, PyCaret, Streamlit, NumPy, Pandas, Joblib

- Developed an end-to-end breast cancer classification system using the Wisconsin Breast Cancer Dataset to predict whether a tumor is Benign or Malignant.
- Built a Streamlit-based diagnostic web app integrating data upload, EDA profiling, ML model training, and patient-wise live prediction.
- Implemented 30+ medical imaging features (radius, texture, concavity, fractal dimension, etc.) as inputs for accurate model inference.
- Used PyCaret's automated ML pipeline to compare multiple algorithms and selected the best-performing model (saved as bestmodel.pkl) for deployment.

Technical Skills

- **Languages:** Python, C++, SQL, JavaScript, HTML/CSS
- **Frameworks/Tools:** NumPy, Pandas, TensorFlow, Matplotlib, React, SDLC
- **Cloud/DevOps:** Git, AWS, Linux, System Design
- **BI Tools:** Power BI, Tableau
- **Certifications:** IBM Generative AI, IBM CyberSecurity, OCI GenAI Professional, Oracle Cloud Infrastructure

Achievements

- Solved 200+ DSA questions on LeetCode
- Advanced to Level 2 of EY-Techathon
- Advanced to Round 2 of NOKIA Hackathon
- Co-authored research papers on AI and Breast Cancer Detection
- Advanced to CodeVita Round 2