

AYUSHI GAUTAM

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EDUCATION

Dr. A. P. J. Abdul Kalam Technical University

Ghaziabad, India

Bachelor of Technology - Computer Science and Engineering (AI/ML); GPA: 8.36

Nov 2020 - Jun 2024

Coursework: DSA, Machine Learning, AI, Operating Systems, DBMS, Networking, Software Engineering, Oops

EXPERIENCE

Defence Research and Development Organisation (DRDO)

Dec 2022 - Feb 2023

Research Intern

New Delhi, India

- Collaborated with scientists to build an ML Model for defence applications, increasing 6% accuracy in face recognition.
- Developed Face Recognition Modules to detect a person's face and clustered the same faces together into separate folders similar to Google Photos using DBSCAN with an accuracy of up to 90%.

Saint Louis University

Oct 2022 - Nov 2022

Data Visualisation Intern

Remote, USA

- Analyzed IMDB movie ratings dataset with more than 7000 entries for insightful inferences.
- Leveraged Excel sheets and Tableau to make the Dashboard for Data Visualisation of datasets with a range of 20K-1M values.

Google Developer Student Clubs

Oct 2021 - Jun 2023

ML Coordinator

AKGEC, Ghaziabad

- Directed comprehensive ML workshops for 200+ students on diverse projects like Face mask Detectors, Sign Language Recognition, Sentiment Analysis, Object detection models, and Extractive text Summarization.

SKILLS

- **Languages:** C++, Python, HTML, CSS, Java(basic), SQL, Dart, Data Structure and Algorithms
- **Tools:** Matplotlib, Numpy, AWS, Pandas, Figma, GIT, Firebase, Tableau, Excel Sheet
- **Frameworks:** Tensorflow, PyTorch, Keras, NLTK, OpenCV, Transformers, Flutter, Flask, Scikit-Learn
- **Soft Skills:** Leadership, Public Speaking, Event Management, Technical Writing

PROJECTS

- **RailVadan- Natural Language Translation engine:** - Engineered a multilingual railway info system enhancing station announcements across 100+ languages. Includes announcements, IVRS, chatbots, web interfaces & real-time updates.
- Recorded user speech and converted speech- 2 -text followed by a neural multilingual translation that further goes into text- 2 -speech at stations for announcements. [Link Github](#)
- **Suvarna- Doctor's Handwriting Recognition:** - Pioneered a Real-time mobile application with 3 features to scan, recognize and digitize handwritten prescriptions, and doctor notes into readable format.
- Utilized CRNN network and CTC loss optimization function and OpenCV-cv 2 for line segmentation. [Link Github](#)
- **Aushprad- Medical Waste Management App:** - Devised an app focused on reducing Medicinal waste by 15% at the source point to predict waste to be disposed of in dustbins with TensorFlow, Keras, and Flutter. [Link Github](#)

CODING PROFILE

- [Kaggle](#), [Leetcode](#), [Geeks for Geeks](#)

ACHIEVEMENTS

- **Secured 1st Rank in Smart India Hackathon 2022:** Guided by **Dell Technologies**, made a Doctor's Handwriting Recognition system in the hackathon organised by Ministry of Central GOI.
- **Smart India Hackathon'23 Finalist:** Made an Indian Railways info dissemination system with diverse languages, guided by **Ministry of Railways**.
- **Telangana AI Mission'23 Finalist:** Reached the final top 25 out of 1500+ teams for predicting heat waves and AQI in Telangana. Index(AQI) for 5 Tier-2 cities of Telangana.
- **Anveshana'23 Finalist:** Built flutter firebase App with YOLO model to classify waste and made it to Top 30 in this National Level Hackathon.
- **Amazon ML Challenge:** Acquired AIR 324 among 65,000+ teams for product length prediction with a 2.2 million dataset.
- **She Builds on Azure:** Earned selection in the cohort-2.0 AI edition organised by Azure Developer Community.
- **Codemaze Winner:** Won 1st position at Competitive Coding Contest in Big Data Centre of Excellence.

CERTIFICATIONS

- Google Cloud Career Practitioners Campaign
- Infosys Campus Connect Summer Training
- Deep Learning Course by Udemy