D BHARGAVA RAMA SARMA

Bengaluru, Karnataka

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Education

PES University	**Aug. 2023 – May 2027 (expected)**
BTech in Computer Science Engineering (AI/ML)	*Bengaluru, Karnataka*
Vedanta PU College	**Jun. 2021 – Apr. 2023**
Senior Secondary School Education (PU Board Karnataka)	*Bengaluru, Karnataka*

Work Experience

Centre for Healthcare Engineering and Learning, Intern — Jun. - Jul. 2025

Built **XGBoost and KNN models** for Parkinson's disease classification using audio and handwriting data

Projects

Parkinson's Disease Detection using Deep Learning | *TensorFlow, Keras, Flask, React*
- Trained **XGBoost and KNN models using Librosa** audio features and **CNN image features** to classify Parkinson's disease from voice recordings and handwriting patterns.
- Flask web app that analyzes uploaded samples using AI models to detect potential Parkinson's disease symptoms.

Sports Celebrity Image Classification | *Flask, OpenCV, Sklearn, HTML/CSS, JavaScript*
- Developed image classification ML model using **wavelet transforms** for feature extraction (**95% accuracy**); implemented Flask backend with **OpenCV** and **Sklearn**.
- Designed responsive frontend with **Dropzone.js** for image uploads.

Technical Skills

Languages: C, Python, C++, Java, JavaScript
Web Development: HTML/CSS, React, Next.js, MongoDB
Tools: Git, Flask, OpenCV, Pandas, NumPy, Scikit-learn

Certifications

Licensed HAM Radio Operator, VU3FHA	Oct. 2024
Department of Telecommunications, Gov. of India	
Advanced Learning Algorithms, DeepLearning.AI	Mar. 2025
Credential ID 3VO3ERU77VBS View Credential	
Supervised ML: Regression & Classification, DeepLearning.AI	Oct. 2024
Credential ID BA3S77PYIFC2 View Credential	

Achievements

State Champion - RBI90 Quiz (Rs. 2L prize)	Nov. 2024
Zonal Runner-up - RBI90 Quiz (Rs. 4L prize)	Nov. 2024
National Finalist - RBI90 Quiz	Dec. 2024
2nd Place - Inter-College Quiz @ St. Joseph's College	Feb. 2025

Multiple University Quiz Wins: Maaya (2023-24), Space Day (2024), Science Day (2024-25), Republic Day (2025)

Extracurricular

AVIONS, PES University	**Oct. 2023 – Present**
Member	*Bengaluru, Karnataka*

- Contributed to design and development of mini drone project
- Assisted in testing and deployment of drone components

QQC, PES University	**Dec. 2023 – Present**
Marketing & Operations Head	*Bengaluru, Karnataka*

- Organized college and inter-college quizzes attracting 500+ participants
- Curated challenging question sets for competitive quizzes

MUNSoc, PES University	**Sept. 2024 – Present**
Marketing Head	*Bengaluru, Karnataka*

- Participated in multiple Model UN conferences as delegate
- Managed logistics for 300+ participant UniCon'25 conference

Akshaya Patra	**Aug. 2023**
Volunteer	*Bengaluru, Karnataka*

- Supported meal preparation initiatives for underprivileged children