

PRANATH PRASANTH

BTech student

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Professional Summary

Motivated B.Tech Computer Science student with a strong foundation in Python, Java, C, Go, HTML-CSS, and MySQL. Passionate about Artificial Intelligence and Data Analytics, with practical experience gained through internships, hackathons, and collaborative projects. Recognized for problem-solving ability, adaptability, and teamwork, with a proactive mindset and eagerness to apply technical knowledge to real-world challenges.

Work History

Research Intern – AI in Acoustic Signal Processing

Naval Physical and Oceanographic Laboratory (NPOL), DRDO | Jun 16th 2025 - Jun 30th 2025

- Applied Neural Networks & CNNs for sonar target classification using TensorFlow/Keras.
- Converted acoustic signals to spectrograms; optimized models with BatchNorm, Dropout, Early Stopping, and Transfer Learning (VGG16).

Intern

IBM | Jun 2024 - Aug 2024

- Completed IBM SkillsBuild training in **Data Analytics** and digital technologies.
- Assisted in real-world problem-solving, workflow optimization, and report preparation.
- Strengthened teamwork, organizational, and technical skills through collaborative projects.

Education

Bachelor of Technology: Computer Science & Engineering

03/2027

Govt. Model Engineering College

Ernakulam, India

High School Diploma

03/2023

Chinmaya Vidyalaya

Ernakulam, India

Activities and Accomplishments

NASA Space Apps Challenge 2024 – Developed an AI-powered platform (Carbon Tally) to predict carbon emissions, provide eco-friendly insights, and gamify climate action. |

Hackathon Team - CodeFathers – Participated in national-level coding competitions and hackathons, with a focus on sustainable tech and innovative problem solving

Certifications

Google Analytics Individual Qualification

Google, 05/01/2

Skills

- Python
- Machine learning
- Problem solving
- Java
- Go
- Data analysis
- Software development
- HTML-CSS
- MySQL