

PETA KARTHIK RAM

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Professional Summary

Aspiring B.Tech student with a strong academic foundation and a passion for continuous learning and growth. Motivated to tackle real-world challenges with strong problem-solving skills and adaptability.

Education

B. V. Raju Institute Of Technology (2022 - Present)	CGPA: 9.01
B.Tech in CSE - Data Science	Narsapur, Telangana, India
Sri Chaitanya Jr Kalasala (2020 - 2022)	Percentage: 92.9%
Intermediate - MPC	Kukatpally, Telangana, India
Dr. K. K. R's Gowtham Concept School (2019 - 2020)	GPA: 10.0
SSC	Nizampet, Telangana, India

Projects

Aqua Scan - Marine Debris Detection | *PyTorch, U-Net++, GDAL, Streamlit* | (Jan 2025 – Apr 2025) | [Live Demo](#)

- Developed a U-Net++ semantic segmentation model to detect marine debris in multispectral satellite imagery.
- Applied geospatial preprocessing using GDAL and advanced data augmentations with Albumentations.

Communio - Social Media Website | *MERN Stack, JWT Auth, Tailwind CSS, Cloudinary* | Mar 2025 – Jun 2025 | [Live Demo](#)

- Developed a full-stack social media app with real-time posting, likes, comments, and user authentication.
- Built with the MERN stack, secured with JWT, styled using Tailwind CSS, and integrated Cloudinary for media uploads.

Destination Delight - Travel Booking Platform | *PHP, MySQL, JavaScript, Bootstrap, AJAX* | Feb 2024 – Jun 2024 | [Github](#)

- Developed a responsive travel booking platform with destination search, secure login, dynamic pricing, and email functionality using PHP, MySQL, AJAX, and Bootstrap.

Skills

Programming Languages	Java, Python, JavaScript, C
Databases	MySQL, MongoDB
Web Development	HTML, CSS, JS, React JS, Node JS, Express JS, PHP, Bootstrap, Tailwind
Developer Tools	Git, VS Code, Jupyter Notebook, Postman
Soft Skills	Collaboration, Problem-Solving, Adaptability, Communication

Certifications

- Java Foundations & Fundamentals** – Oracle Academy (Aug 2024) | Covered OOP, control structures, inheritance, interfaces, data structures [Credential 1](#) [Credential 2](#)
- Responsive Web Design** – FreeCodeCamp (Aug 2024) | Covered HTML5, CSS3, Flexbox, Grid, responsive layouts [Credential](#)
- Google AI/ML Virtual Internship** – AICTE (Mar 2024) | Covered ML fundamentals, model development with Google tools, and prompt engineering using Vertex AI (Gemini) [Credential](#)

Achievements

- Secured 2nd Place at **Datathon, Promethean-2024 (BVIRTN)** for designing a sales analytics dashboard.
- Won 3rd Place at **Hack Nexus, Synergia-2025 (BVRITH)** for building a prototype app under tight deadlines.

Extracurricular Achievements

- 1st Place – Short Film at **Chitraang, Synergia-2025 (BVRITH)**.
- 2nd Place – Short Film at **Chitrotsav 2024 (BVRITN)**.

Hobbies

- Drawing
- Gaming
- Reading Fiction & Graphic Novels
- Movies / Anime