

# Bhuvan Shetty

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Github: [github.com/bhuvan2018](https://github.com/bhuvan2018)

Portfolio: [bhuvan-shetty.vercel.app](https://bhuvan-shetty.vercel.app)

## SUMMARY

Result-driven Software Developer with a foundation in Web Development. Demonstrated ability to design scalable websites, participate in coding, and contribute effectively to team-based projects.

## EDUCATION

- **Vivekananda College of Engineering and Technology** Puttur, Karnataka  
*Master of Computer Applications* CGPA: 9.0 February 2024 – September 2025
- **St. Aloysius Autonomous College** Mangalore, Karnataka  
*Bachelor of Science in PCsM* CGPA: 7.5 October 2020 – June 2023

## SKILLS

- **Languages:** Java, Python, JavaScript
- **Web Framework & libraries:** HTML, CSS, React.js
- **Databases & Tools:** MySQL, MongoDB, Git, GitHub, Docker

## PROJECTS

- **Enhancing Image Clarity with Neural Network-Based Denoising Autoencoder** May 2025 – August 2025:
  - Developed a face deblurring system using a CBAM-enhanced U-Net architecture with residual blocks and attention modules for improved feature extraction and edge preservation.
  - Integrated post-processing techniques (CLAHE, Non-Local Means Denoising, Unsharp Masking) to further enhance image clarity and fine details.
  - Achieved strong performance with an average PSNR of 28.5 dB and SSIM of 0.75 on synthetically blurred CelebA datasets resized to 128×128 for efficient training.
  - Built a web-based user interface using Flask backend, Three.js visualizations, and DaisyUI components, containerized and deployed using Docker NGINX on Render.
  - Leveraged Lightning AI and Visual Studio Code for model training with free GPU access, implementing hybrid perceptual + pixel loss functions for high-quality restoration.
  - **GitHub:** [github.com/bhuvan2018/EnhancingImageClarityDenoisingAutoencoder](https://github.com/bhuvan2018/EnhancingImageClarityDenoisingAutoencoder)
- **Automated News Article Classification using ML (Hackathon Project)** Apr 2025:
  - Built an end-to-end news classification system using Python and HTML, CSS, JavaScript enabling real-time categorization of articles with a user-friendly interface.
  - Implemented NLP pipeline and a trained ML model to classify articles with high accuracy.
  - Enhanced usability by integrating speech-to-text for voice-based input and a responsive UI for live predictions.
  - **GitHub:** [github.com/bhuvan2018/news\\_article\\_classification](https://github.com/bhuvan2018/news_article_classification)
- **SafeWalk: Ensuring Women Safety in Public Spaces** Nov 2024 – Mar 2025:
  - Developed a web app to ensure women's safety, offering SOS alerts, safety routes, and real-time incident reporting.
  - Includes role-based auth for users/admins and interactive feedback features.
  - Built with React.js and Firebase for seamless mobile experience and real-time backend.
  - **GitHub:** [github.com/bhuvan2018/safe\\_walk-App](https://github.com/bhuvan2018/safe_walk-App)
- **Quiz Master Website** Nov 2024 – Jan 2025:
  - Built a secure web app for quizzes, with user authentication and dynamic quiz rendering.
  - Used React.js for frontend, Node.js/Express.js for backend APIs, and MongoDB Atlas for storing questions and user data.
  - Designed responsive UI with Tailwind CSS for better usability.
  - **GitHub:** [github.com/bhuvan2018/internship\\_project](https://github.com/bhuvan2018/internship_project)

## INTERNSHIP

- **Intern:** MERN Stack Intern at Zephyr Technologies and Solutions Pvt Ltd Mangalore (Nov 2024 - Jan 2025)

## ACHIEVEMENTS

- Secured 2nd place in a 5-hour Hackathon at VCET College by building a Smart Pantry and Recipe Planning web platform using React.js, Tailwind CSS & JSON-based storage.  
**Live Url:** [pantryvision.netlify.app](https://pantryvision.netlify.app)
- Secured 1st place twice in individual coding competitions at inter-departmental events at VCET College.
- Won 1st place in a Web Designing contest, showcasing responsive UI and optimized layout at VCET College.
- Achieved 1st place in the "Google-It" search efficiency event during the departmental fest at VCET College.