Pranav Kumar Bandaram

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[LinkedIn](#) • [Github](#) • [CodeChef](#) • [Codeforces](#) • [Personal Portfolio](#)

PROFESSIONAL SUMMARY

Passionate and detail-oriented software developer with experience in web development, problem-solving, and collaborative projects. Proficient in HTML, CSS, JavaScript, Python, and SQL. Strong analytical and teamwork skills demonstrated through hackathons and coding competitions. Enthusiastic about building scalable and user-friendly applications while continuously learning new technologies.

EDUCATION

Bachelor of Technology (AI ML) — 2024 - 2028
NEWTON SCHOOL OF TECHNOLOGY — Grade: 8.0/10.0

Intermediate (Class XII) — 2021 - 2023
MIITY JUNIOR COLLEGE — Grade: 95.0%

Matriculation (Class X) — 2011 - 2021
SRI CHAITANYA SCHOOL — Grade: 10.0/10.0

PROJECTS

Bingo Game using JavaScript, ([Github](#)) ([Demo](#)) — April 2025

Bingo Game using JavaScript I developed a fully functional and interactive **Bingo game** using **HTML, CSS, JavaScript**, and **Bootstrap**, designed for a smooth and engaging user experience. The game dynamically generates a 5x5 Bingo board filled with non-repeating random numbers. Players can click on tiles to mark called numbers, and the game checks for win conditions such as completed rows, columns, and diagonals in real-time. The interface is enhanced with **animations, hover effects, and sound effects** to make gameplay more exciting. The layout is **fully responsive**, ensuring a seamless experience on both desktop and mobile devices. Additional features include a restart option and a clear UI to help users track their progress during the game.

Skills Gained:

- **Logical Thinking**
  Algorithm Design for win detection and number generation
- **Responsive Web Design** using CSS and Bootstrap
- **User Interaction Handling** with event listeners and real-time updates
- **UI/UX Enhancements** through animations and sound integration
- **Modular Coding** practices for clean and maintainable code

Time Management Website, ([Github](#)) ([Demo](#)) — February 2025

Collaborated with a team to design and develop a comprehensive **Time Management Website** aimed at helping users effectively organize tasks, set goals, and monitor their productivity. I played a key role in crafting **intuitive and accessible user interfaces**, integrating **task scheduling, daily/weekly planners**, and **real-time progress tracking features**. The website includes **interactive dashboards**, responsive layouts, and user-centric design elements to ensure a smooth experience across all devices. We implemented features like **editable task cards**, **notifications/reminders**, and **data persistence** using local storage or backend integration. The focus was on combining usability with functionality to support better time management habits. .

Skills Gained (Unique from Bingo Game):

- **Team Collaboration**
  Version Control (Git/GitHub) for working in a shared codebase
- **User-Centered Design (UI/UX)** principles for building intuitive interfaces
- **Task Scheduling Algorithms** for handling recurring tasks and deadlines
- **State Management**
  Form Handling for dynamic content updates
- **Dashboard Design**
  Data Visualization using charts or visual trackers
- **Responsive Grid Systems**
  Flex Layouts for content-heavy, flexible UI designs

E-commerce website, (Demo) December 2024

Collaborated with a team to design and build a fully responsive **e-commerce website** aimed at providing users with a seamless and secure online shopping experience. I contributed to the development of **user-friendly interfaces**, **product listing pages**, **filter/sort features**, and **shopping cart functionalities**. The website integrates **secure payment gateways**, **user authentication**, and **order management systems** to ensure smooth checkout and data protection. We prioritized **performance optimization**, **accessibility standards**, and **intuitive navigation** to create a scalable, real-world application ready for deployment.

Skills Gained (Unique from Bingo Time Management Projects):

- **Form Validation Error Handling** for checkout and login flows
- **Product Filtering, Sorting Search Functionality** for better UX
- **State Persistence Across Sessions** (e.g., localStorage, backend sessions)
- **Performance Optimization** techniques for faster page load and smoother UX

Portfolio-2, (Github) (Demo) November 2024

Personal Portfolio Website Designed and developed a fully responsive and modern **portfolio website** to showcase my projects, skills, and achievements in a clean, professional layout. The website features a **dark/light mode toggle**, **animated particle background**, **interactive sections**, and a **smooth user experience** across devices. I implemented **form validation and submission handling** for the contact form, integrated **project cards with modals**, and ensured the site is **SEO-friendly** and **performance-optimized**. The portfolio also includes **scroll-triggered animations**, intuitive navigation, and is hosted on platforms like GitHub Pages or Vercel for global access.

Skills Gained (Unique from Other Projects):

- **Personal Branding Presentation** through clean, modern design
- **Dark/Light Mode Toggle** with persistent theme storage
- **Animated Particle Backgrounds** to enhance user engagement
- **SEO Optimization** and meta tag management for visibility
- **Responsive Design Tuning** specifically for portfolios (grids, modals, layout adjustments)
- **Form Validation Email Integration** (e.g., EmailJS, Formspree)

Basic-Portfolio-1, (Github) (Demo) November 2024

Designed and developed a **responsive and dynamic personal portfolio website** using **HTML, CSS**. Showcases projects, skills, and experience with an interactive UI and smooth animations

CERTIFICATIONS

Fundamentals of AI, DeepLearning.ai (Link) January 2025

. **Fundamentals of Artificial Intelligence – Course Completed** Successfully completed a comprehensive course on the **Fundamentals of Artificial Intelligence**, covering key concepts such as **machine learning, neural networks, natural language processing**, and **search algorithms**. The course provided a strong theoretical foundation in AI principles along with practical insights into real-world applications. Worked on hands-on exercises involving **data preprocessing, model training, and evaluation**, using tools like **Python and basic AI libraries**. Gained a clear understanding of how AI systems make decisions, learn from data, and evolve over time.

Skills Gained:

- **Understanding of Core AI Concepts** (agents, environments, problem-solving, etc.)
- **Introduction to Machine Learning Neural Networks**
- **Basic Implementation of AI Models** using Python
- **Familiarity with NLP Basics** and AI ethics
- **Analytical Thinking Algorithmic Approach** for solving AI-related problems

SKILLS

Computer Languages: C++, SQL, Machine Learning, CSS, JavaScript, HTML, Python
Software Packages: Windows, Matplotlib, React, Pandas, Excel, Bootstrap
Additional Courses: Data Structure
Soft Skills: Communication Skills, Leadership, Time management, Decision-making, Teamwork, Critical Thinking
Others: Spreadsheet