ASHUTOSH PADAL

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Education

Berhampur University	**Nov 2020 – Jul 2023**
Bachelor of Science in Computer Science	*Semiliguda, Odisha*

Relevant Coursework

Data Structures	Algorithms Analysis	Large Language Models	Systems Programming
Software Methodology	Database Management	Internet Technology	Computer Architecture

Summary

- Full-stack developer with expertise in **AI-accelerated development**, React, Python, and Node.js. Experienced in integrating **Large Language Models (LLMs)**, building scalable web apps, and delivering user-focused solutions. Passionate about emerging technologies, innovation, and solving complex problems.

Projects

Visage | *Python(Flask), JavaScript, HTML, TailwindCSS* — **Jul 2025**
- Built a **real-time video pipeline** using HTML5 Canvas and Web APIs to process live frames.
- Integrated **MediaPipe FaceMesh & Hands** for face/hand tracking and **TensorFlow.js COCO-SSD** for client-side object recognition.
- Optimized performance via **frame downsampling, inference throttling, and buffer re-use**.

Portfolio Web App | *JavaScript(ES6), HTML5, CSS3, Tailwind, GitHub Pages* — **Nov 2023**
- Designed and developed a fully responsive **portfolio website** with Flexbox/Grid layout and dynamic animations.
- Implemented **dark/light mode**, scroll-triggered animations, lazy loading, and smooth navigation.

Prompt Perfector | *React.js, OpenAI API, TailwindCSS* — **Jun 2025**
- Developed a React-based app to refine AI prompts for LLMs, improving clarity and output quality.
- Integrated real-time **LLM API** feedback, with **state management and copy-to-clipboard** utilities.

Technical Skills

Languages: Python, JavaScript (ES6+), SQL, HTML5, CSS3

Frameworks & Libraries: React.js, Vue.js, Django, TailwindCSS, TensorFlow.js

Developer Tools & Platforms: Node.js (Runtime), Git/GitHub, VS Code, Linux, Docker, Cursor, Windsurf

Databases & Cloud: MongoDB, Firebase

AI/ML & Specialized Skills: LLM Integration, Prompt Engineering, Computer Vision, AI API Development