

# ASHUTOSH PADAL

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## Education

### Berhampur University

*Bachelor of Science in Computer Science*

Nov 2020 – Jul 2023

*Semiliguda, Odisha*

## Relevant Coursework

Data Structures	Algorithm Analysis	Large Language Models	Systems Programming
Software Engineering	Database Management	Internet Technology	Computer Architecture

## Summary

- Full-stack developer with expertise in **AI integration, React, Python, and Node.js**. Skilled in building scalable, high-performance applications and leveraging **Large Language Models (LLMs)** to deliver intelligent, user-focused solutions. Passionate about emerging technologies and continuous improvement.

## Projects

### InsightFlow: Automated Business Analytics Dashboard | *React.js, Material UI, Chart.js, Redux, Firebase* Aug 2025

- Developed a **single-page analytics platform** for seamless data ingestion, cleaning, and KPI visualization.
- Implemented a **drag-and-drop dashboard builder** with auto-generated charts, cross-filtering, and export options (PNG/PDF).
- Architected a scalable UI with **React.js, Redux Toolkit, Material UI** and deployed via **Netlify/Vercel CI/CD**.

### Visage | *Python (Flask), JavaScript, HTML, TailwindCSS*

Jul 2025

- Created a **real-time video processing pipeline** with HTML5 Canvas, Web APIs, and MediaPipe for accurate face/hand tracking.
- Integrated **TensorFlow.js COCO-SSD** for privacy-focused, client-side object detection.

### Prompt Perfector | *React.js, OpenAI API, TailwindCSS*

Jun 2025

- Built an app to **optimize LLM prompts**, featuring real-time feedback and copy-to-clipboard functionality.

### Portfolio Web App | *JavaScript (ES6), HTML5, CSS3, TailwindCSS, GitHub Pages*

Nov 2023

- Designed a responsive personal portfolio with **modern UI/UX, animations, and theme toggle**.

## Technical Skills

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

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

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

**Databases & Cloud:** MongoDB, Firebase

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