



Abhishek Pattanayak

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EDUCATION

Vivekanand Education Society's Institute of Technology

Dec 2021 – Present

Bachelors of Engineering in Artificial Intelligence and Data Science

EXPERIENCE

Senior Technical Officer

July 2023 – May 2024

AI CoLegion

 [Certificate](#)

- Led a team of six to design, develop, and maintain multiple websites for the institution over the course of the year
- Served as the principal speaker at a workshop, engaging over 100 students in machine learning concepts
- Hosted and facilitated a major conference, which saw participation from over 240 students
- Contributed to the technical evaluation of more than 57 teams, ensuring rigorous assessment standards

Machine Learning Intern

Dec 2022 – Jan 2023

Knowledge Solutions India

 [Certificate](#)

- Engineered a sophisticated deep learning model that achieved 85% accuracy in classifying handwritten digits
- Led a team of five in the development of a dynamic web application utilizing React.js, Tailwind CSS, and Flask
- Implemented data preprocessing and augmentation techniques to increase model performance and robustness by 23%

PROJECTS

Mannequin

Jul 2024 – Jul 2024

Tech: ReactJS, NodeJS, ExpressJS, Firebase, Gemini1.5 Flash, WebGazer, Suno Bark



- Engineered a AI mock interviewer that interacts with the user to conduct mock interviews
- Implemented WebGazer to track eyes, native speech recognition api and speech synthesis using Suno Bark to converse with user, and fetches QnA from Google Gemini API
- Used by 10+ students for preparing for their placements, out of which 3 got placements

GoTrip

Feb 2024 – Feb 2024

Tech: ReactJS, DaisyUI, Tailwind CSS, MapBox, Jupyter



- Engineered a crowd-sourced travel itinerary planner which can be used by tourists to explore, enjoy, and review tourist destination spots
- Implemented a recommendation system to personalize each itinerary for the user using classification algorithms and market basket analysis
- Ranked fifth in the competition with 120+ teams

Music Recommendation App with Explainable AI

Sep 2022 – Apr 2023

Tech: Express.js, React.js, Node.js, Firebase Firestore, Jupyter, Flask



- Created a music recommendation app suggesting songs based on user preferences and listening history
- Used hybrid recommendation system to suggest songs to users
- Leveraged SVMs to rank next best songs for the user

CERTIFICATIONS

Data Parallelism on multiple GPUs, NVIDIA

Mar 2024

AI for Predictive Maintenance, NVIDIA

Oct 2023

AI for Anomaly Detection, NVIDIA

Sep 2023

Fundamentals of Deep Learning, NVIDIA

Aug 2023

SKILLS/TECHNOLOGIES/Frameworks

- **Frontend Development:** Javascript, Typescript, ReactJS, Bootstrap, TailwindCSS, Vite, Jest, Vitest, Redux, Framer, Material UI, Shacdn UI, HTML/CSS
- **Backend Development:** NodeJS, ExpressJS, MongoDB, Python, Jupyter, Flask, Axios, Postman, Firebase
- **DevOps:** Linux, AWS, Jenkins, Docker