

Subhankar Pandit

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Profile Summary

Final-year B.Tech Computer Science student with expertise in **Full Stack Web Development (MERN, Django)**, **Backend Engineering**, **AI/ML**, and **Cloud Technologies**. Experienced in building scalable applications using **Node.js**, **Express.js**, **MongoDB**, and developing **Deep Learning** and **Computer Vision** models with **TensorFlow**, **Keras**, **OpenCV**. Skilled in **AWS cloud deployment**, **authentication systems**, and **REST API integration**. Currently exploring **Generative**, **Agentic AI**, **Chatbot Development**, and **LLM-based solutions**, focused on creating intelligent, data-driven, production-ready systems.

Education

- **B. Tech in Computer Science & Engineering** – ITER, SOA University, Bhubaneswar (*2022 – 2026*)
CGPA: 9.31
- **12th Science** – Kendriya Vidyalaya, Berhampur (*2020 – 2021*)
Percentage: 93.66%
- **10th Grade** – Kendriya Vidyalaya, Berhampur (*2018 – 2019*)
Percentage: 93.8%

Work Experience

- **Code for Good 2025** – JPMorgan Chase & Co. Team-27 (June 2025) 
○ Worked as a **Full-Stack Developer** at **Code for Good 2025** – **JPMorgan Chase & Co.**, building an **Agri-tech** platform for **NGO CML** with **MERN**, **Google OAuth**, and **OTP login**.
○ Integrated **Razor pay**, **real-time chat**, **chatbot**, **SMS alerts**, and contributed to **React.js frontend** and **data handling**.
- **Adobe & NITI Aayog** – Student Mentorship Program (September 2020)
○ Selected for a 3-week remote mentorship under **Atal Innovation Mission**.
○ Learned and worked with **Adobe Spark**, and **Adobe XD**.
○ Designed **UI/UX wireframes** and **digital posters** as part of the program.

Projects

1. Web Development (Full-Stack Web Applications)

- **Tech Stack:** **MongoDB**, **Express.js**, **Node.js**, **Cloudinary**, **Passport.js** 
○ Developed a **Yelp-like campground platform** with full **CRUD operations**, **user authentication**, and **image upload** functionality.
○ Built using **Node.js**, **Express.js**, **MongoDB**, **EJS**, and **Cloudinary** for seamless user interaction and media management.
- **Tech Stack:** **Django**, **HTML/CSS**, **JavaScript**, **SQLite** 
○ Built a **blog**, **weather app**, and **chatbot** showcasing **Django backend**, **API integration**, and **dynamic frontend development**.

2. Virtual Painter (Computer Vision)

- **Tech Stack:** **OpenCV**, **Media pipe** 
○ Developed a **real-time Virtual Air Painter** using **OpenCV** and **MediaPipe**, enabling **gesture-based air drawing**, **color selection**, and **eraser control** through **hand tracking**.



3. Food Vision 101 (Deep Learning)

- **Tech Stack:** TensorFlow, Keras, NumPy, Matplotlib, Google Colab
 - Developed a deep learning model using **EfficientNetB0** with **transfer learning** to classify 101 types of food images, achieving **~79% test accuracy** through feature extraction and fine-tuning with **Adam and Lion optimizers**.



4. Data Science and ML Projects

- **Tech Stack:** Scikit-learn, Matplotlib, Seaborn, Numpy, Pandas, Flask
 - Developed multiple end-to-end ML & Data Science projects involving **EDA**, **feature engineering**, and **model training** using Python and Scikit-Learn.
 - Deployed a **Random Forest Regressor** through a **Flask API** enabling real-time **JSON-based predictions**.



Skills & Tools

- **Programming Languages:** JavaScript, Python, Java, C, C++
- **Web Development:** MERN Stack, EJS, Django, HTML, CSS
- **Databases:** MongoDB, MySQL, SQLite
- **Cloud/Deployment:** Vercel, Render, Firebase, Cloudinary, AWS basics
- **Data Science, AI/ML, DL:** TensorFlow, Keras, Scikit-learn, Matplotlib, Pandas, NumPy, Seaborn, OpenCV, Media pipe, Prompt Engineering, Streamlit, Flask
- **Tools & Tech:** Git, Postman, VS Code, IntelliJ, Anaconda, Google colab,
- **Soft Skills:** Communication, Adaptability, Presentation, Decision-Making, Punctuality, Teamwork

Certifications

- Ultimate AWS Certified Developer Associate (DVA-C02) 2025- [Udemy](#)
- Python for Machine Learning & Data Science Masterclass 2025 - [Udemy](#)
- Code for Good Participant 2025 – [JPMorgan Chase, Hyderabad](#)
- Web Developer Bootcamp 2024 - [Udemy](#)
- Student Mentee 2020 – [Adobe & NITI Aayog Mentorship Program](#)