

Avinash Pathak

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EDUCATION

Scottish Church Collegiate School

Higher Secondary Education - 84.5

Kolkata, West Bengal

July 2019 – July 2021

JIS University

B.Tech In Computer Science And Engineering - CGPA: 9.11

Kolkata, West Bengal

Aug. 2021 - July 2025

TECHNICAL SKILLS

Frontend: React.js, Next.js, HTML, CSS, Tailwind, JavaScript

Backend: Node.js, Express.js

Programming Languages: Python, C, C++

Database: MongoDB, PostgreSQL, MySQL

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, OpenCV, Git, Docker, REST APIs, JWT, Render, Postman

ML Architectures: CNN, YOLO, Transformers(BERT, LSTM), GAN

WORK EXPERIENCE

Freelance Web Developer

Kolkata, West Bengal

April 2025 - Present

- Delivered and maintained a full-stack e-commerce web app with product listing, cart, and online payment.
- Currently enhancing admin dashboard and order management for client.
- Live Project: shopixo-store.netlify.app

PROJECTS

- **Tutorium – SaaS for Online Tutors**, Developed a modern SaaS application using Next.js 15, supabase, PostgreSQL, and clerk integration, allowing tutors to create and monetize courses. [GitHub](#) [Live Demo](#)
- **Whispr – Real-Time Chat App**, Full-stack chat system with JWT authentication, group messaging, and online status using Socket.IO, Node.js, and MongoDB. [GitHub](#) [Live Demo](#)
- **Bitcoin Price Prediction using LSTM**, Created an LSTM-based deep learning model to predict Bitcoin prices using historical time series data and Python. [GitHub](#)
- **ATS Score Checker (AI Resume Review)**, Built an AI-powered resume analyzer using Streamlit and Gemini API to assess ATS compatibility and suggest improvements. [GitHub](#)

PUBLICATIONS

- **Personal Assistant with Language Model Based Conversation and Mental Health Analysis**: Develop a personal assistant utilizing GPT-3.5 for natural conversations and mental health analysis, featuring emotional analysis to gauge user mood and state. Applications include suicide prevention, job performance evaluation, student life assistance, and overall mental health support. [Link](#)

COURSEWORK

- **Data Structures and Algorithms, Operating Systems, DBMS, Object-Oriented Programming, Computer Networks**

AWARDS AND ACHIEVEMENTS

- **Best Student Project – JIS Samman 2025**: Awarded by JIS University for innovative project work. (February 2025)
- **JIS Innovation Award**: Received for outstanding research and publication work at the university. (April 2025)
- **1st Place – Internal Hackathon**: Secured first position in a coding hackathon organized by JIS University. (2024)