Supratim **Nag**

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Summary --- --------------

Motivated and versatile 4th-year B.Tech student specializing in Computer Science with AI & ML from MCKV Institute of Engineering. Skilled full-stack developer with hands-on experience in JavaScript, Python, and Java Spring Boot. Passionate about the AI/ML domain, having trained multiple machine learning and deep learning models, and built projects in Generative AI and agentic AI systems. Strong foundation in both software development and applied AI, with a keen interest in building intelligent, scalable applications. Eager to contribute to innovative tech teams and fast-paced environments.

Education ---

MCKV Institute of Engineering

Howrah,West Bengal, India

B.Tech in CSE with specializing in AI/ML

October 2022 - June 2026*

• 9.56/10 (3rd year 1st sem SGPA)
• Relevant Course : Machine Learning , Artificial Intelligence , High Performance Computing , NVIDIA CUDA , Cloud Computing , Data Mining , SpringBoot ,Hibernate etc.

Technical Skills --

Strongest Areas :	Full-stack Web Application , Machine Learning , Deep Learning , Data Analysis , Generative AI.
Programming Languages :	Python , Java , JavaScript , Typescript.
Libraries/Frameworks:	TensorFlow , PyTorch , HuggingFace, Flask, Streamlit, LangChain , Hibernate , Springboot etc .
Tools :	Git , GitHub , Docker, Jupyter , HuggingFace , Cursor ,WordPress etc .
Database :	MongoDB , Firebase , PostgreSQL , MySQL , SupaBase.

Internships / Experience ---

Exposys Data Labs
Remote

Data Science Intern

27th APRIL 2025 - 30th May 2025

• Developed a machine learning model to predict early onset of diabetes,targeting approx 90 % accuarcy for real-time health risk assesment .
• Preparing and processing medical datasets using Pandas, NumPy,and SKlearn, with focus on feature selection and outlier removal.

Bluestock Fintech
Remote

Software Engineer Intern

8th March 2025 - 28th APRIL 2025

• Co-Led a team of 8 interns in building a full-stack IPO Management system ensuring timely delivery and maintaining all requirements.
• Designed and developed RESTful APIs using MERN Stack enabling secure CRUD operations for IPO entities.
• Built a responsive frontend using React.js , integrating dynamic IPO listing, bidding , and adminn fetaures.
• Implemented user authentication and role-based access control to segregate client, admin and investor workflows.

Projects --

WeBy
MERN Stack,Socket.io

Social Networking Platform

Github

• A Social media networking platform where people share there opinion with everyone.
• People can follow eachother and also able to chat in real time with someone.

Crop-Disease Detection (Agri Vision)
Pytorch , Flask , MERN Stack

Detection of various crop disease using ResNet-50

Github

• Trained a model using ResNet-50 to be able to detect various crop leaf disease accurately .
• An simple web application to detect crop disease by uploading infected crop leaf images .
• This module is a integral part of a project as "AgriVision" that inend to help farmer in their farming process.

OnlyDevs
Java SpringBoot , MySql

Freelance Service Provider Web Application

Github

• Connects Clients with Developers for fluent freelancing work .
• Platform aims to Simplify the freelancing workflow .

Extraa-Curricular Activities --

• Actively play **cricket and basketball** in my free time, enhancing teamwork and strategic thinking.
• Create **YouTube content** focused on the **technical domain**, sharing knowledge and helping others learn.
• Provide **private tuition**, mentoring students and improving their academic performance.
• Engaged in **social work**, including **cloth and food donation** drives to support underprivileged communities.
• Participates in coding competitions and Hackathons.