

# MANISH KUMAR GUPTA

📍 Kolkata, West Bengal

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## Profile

Final-year Computer Science student skilled in **Full-Stack Development, Machine Learning, Java, Python, JavaScript, and Data Structures & Algorithms (DSA)**. Hands-on experience in developing web applications, predictive ML models, and collaborating in team projects. Looking to contribute as a **Software Developer / Full-Stack Engineer** in a growth-focused organization.

## Education

**Bachelor of Technology (B.Tech) in Computer Science and Technology**

University of Engineering and Management, Kolkata

Jul 2022 – Jun 2026

CGPA: 8.8/10 (up to Sem 6)

**Higher Secondary (Class XII), CBSE**

S.B.P. Vidya Vihar, Bounsi, Bihar

May 2018 – May 2020

Percentage: 64.4%

**High School (Class X), CBSE**

S.B.P. Vidya Vihar, Bounsi, Bihar

May 2017 – May 2018

Percentage: 87.42%

## Skills

**Programming Languages:** Python, Java, JavaScript, C

**Machine Learning:** ANN, TensorFlow, Keras, Gradient Descent

**Web Development:** HTML, CSS, Tailwind CSS, TypeScript, React.js, Node.js, MongoDB

**Tools & Platforms:** Git, GitHub, VS Code, Linux, Figma, Canva, Windows

**Core Subjects:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Computer Networks

## Work Experience

**Full Stack Development Intern**

May 2025 – Present

*Diggaj Coder, Remote*

- Executed and merged new features across client projects, improving UI functionality and responsiveness.
- Implemented frontend UI (sliders, maps, content sections) using HTML, CSS, Tailwind, TypeScript, and React.js.
- Designed and integrated backend APIs for a social-network Settings Page.
- Developed and delivered major website components: Header, Footer, Pre-footer, About, Products, Services.
- Improved UI/UX and responsiveness, ensuring cross-browser compatibility and reducing page load time by 50%.

## Projects

**Solar Irradiance Forecasting Using ANN**

Jan 2024 – Jun 2024

[GitHub Link](#)

- Built an ANN model (TensorFlow/Keras) using temperature, humidity, and cloud cover data.
- Achieved 15% higher accuracy than linear regression with  $R^2 = 0.9142$ .
- Reduced prediction error by 8% using Gradient Descent & SGD.
- Preprocessed large datasets to cut computational time by 25%.
- Led a 5-member team, ensuring project delivery 10% ahead of schedule.

**Online Voting System for Class Elections**

Jul 2024 – Dec 2024

[GitHub Link](#)

- Engineered a secure voting platform (React, Node.js, MongoDB) reducing tallying time by 80%.
- Implemented secure JWT authentication, reducing unauthorized access.
- Integrated real-time result updates, improving transparency.
- Optimized DB queries, cutting response time by 30%.
- Improved UX, increasing voter participation by 20%.

## Certifications & Languages

- Cybersecurity Foundations — Project Management Institute
- NPTEL Java Programming
- NPTEL Soft Skills — IIT Roorkee

• **Languages:** English, Hindi

• **Hobbies & Interests:** Cooking