

Amit Kumar

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Education

Netaji Subhash Engineering College – Kolkata, India

Sept 2021 – June 2025

- B.Tech – Computer Science and Business Systems

Premier Academy – Muzaffarpur, India

June 2018 – July 2020

- Higher Secondary (Science, Mathematics)

Experience

Software Development Engineer Intern, Bluestock Fintech – Remote 

Feb 2025 – March 2025

- Gained hands-on experience in building responsive UIs using **ReactJS** and **Tailwind CSS**.
- Designed and implemented reusable components for IPO listings and details pages.
- Integrated **RESTful APIs** to fetch and display real-time IPO data from the backend.
- Collaborated with backend developers to ensure smooth data flow and seamless frontend-backend integration.

Projects

Plant's Leaf Disease Detection 

- Used OpenCV, NumPy, and Matplotlib for image preprocessing and visualization.
- Trained on labeled datasets to enable fast and accurate disease predictions.
- Developed a CNN-based image classification model using TensorFlow and Keras to detect plant leaf diseases with high accuracy across multiple crop types.
- Built and deployed a Flask web app allowing real-time leaf image uploads and instant disease prediction, enhancing usability for non-technical users.

Movieflexia 

- Integrated a third-party OMDb API to enable real-time movie search and detailed viewing.
- Built interactive features like watchlist management with persistent storage via localStorage.
- Designed and developed a fully responsive movie watchlist application using ReactJS, JavaScript, and Tailwind CSS, emphasizing performance optimization and a clean UI.
- Optimized for mobile responsiveness and accessibility across devices and screen sizes.

NewsByte 

- Integrated API queries with filters to display relevant news content across multiple topics.
- Created a real-time news aggregation app using JavaScript and NewsAPI, with dynamic routing for category-based headlines.
- Applied conditional rendering and skeleton loaders for better UX during data fetch.
- Delivered a faster, cleaner, and more responsive UX than typical news apps across all devices.

Skills

Languages: JavaScript, Python, C++, SQL

Frontend: React.js, Tailwind CSS, Bootstrap, HTML

Backend/Frameworks: Flask, PHP, Node.js, Express.js

Libraries/Tools: TensorFlow, Keras, OpenCV, NumPy

Dev Tools: Git, GitHub, Netlify, VS Code

CourseWork: Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, OOPs Concept

Achievements/Certificates

- Completed SQL Bootcamps on Udemy with certification. 
- Completed Python Bootcamps on Udemy with certification. 
- Solved 250+ DSA problems across platforms like LeetCode, GeeksforGeeks and HackerRank.