

# Amit Kumar

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## Education

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|------------------------------------------------------------|-----------------------|
| <b>Netaji Subhash Engineering College</b> – Kolkata, India | Sept 2021 – June 2025 |
| • B.Tech – Computer Science and Business Systems           |                       |
| <b>Premier Academy</b> – Muzaffarpur, India                | June 2018 – July 2020 |
| • Higher Secondary (Science, Mathematics)                  |                       |

## Experience

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|--------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Software Development Engineer Intern</b> , Bluestock Fintech – Remote <a href="#">🔗</a>                   | Feb 2025 – March 2025 |
| • Gained hands-on experience in building responsive UIs using <b>ReactJS</b> and <b>Tailwind CSS</b> .       |                       |
| • Designed and implemented reusable components for IPO listings and details pages.                           |                       |
| • Integrated <b>RESTful APIs</b> 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.