AKASH GHOSH

Kolkata, West Bengal

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EDUCATION

University of Engineering and Management, Kolkata   **August 2021 - June 2025**
Bachelor of Technology in Computer Science Engineering (GPA: 8.53)

TECHNICAL SKILLS

Programming Languages: **Java**, JavaScript
Frameworks and Libraries: ReactJS, NodeJS, Spring Boot
Databases: MySQL, MongoDB
Tools and IDE: Git, Postman, IntelliJ IDEA

PROJECTS

Multithreaded WebServer | *Computer Network, Java, Performance Handling* | GitHub Repo

This project showcases the implementation of different server architectures to handle concurrent client requests efficiently. It includes:

- **Single-threaded server**: Handles client requests sequentially, one at a time.
- **Multi-threaded server**: Creates a new thread for each client connection, allowing multiple clients to be served simultaneously.
- **Thread pool server**: Utilizes a fixed-size thread pool to manage client connections efficiently, avoiding the overhead of creating new threads for each request.

GadgetGalaxy | *ReactJS, MongoDB, ExpressJS, NodeJs, FullStack Project* | GitHub Repo | **Live Link**

- Utilized the MERN stack to create two distinct components: **administrative section and user section**
- Administrative section facilitates seamless product management
  - ∗ Allows administrators to add, remove, update products, and maintain categories effortlessly
  - ∗ Admin can update order status for the orders placed by users
- Integrated key functionalities such as cart management and real-time order tracking for users
- Leveraged **REST APIs** and context API for efficient data handling
- Ensured secure transactions by seamlessly integrating a Paypal payment gateway
- Enhanced user experience and accessibility
  - ∗ Implemented advanced **filtering options** based on category and price
  - ∗ Made the website responsive ensuring seamless user experience across various devices and screen sizes
  - ∗ Added **infinite scrolling** feature
  - ∗ Utilized skeleton loading animation

Find-N-Fetch | *Python, OpenCV* | GitHub Repo

- **Led a team of 10** members in a project aimed at integrating object detection and hand gesture recognition for audio volume control using Python and OpenCV. Oversaw project planning, and delegation of tasks, and ensured adherence to timelines. Facilitated collaboration between team members, fostering a conducive environment for innovation and problem-solving.

HONORS & CERTIFICATES

- **LinkedIn Learning** : Designing RESTFUL APIs
- **Coursera** : **Advanced Java**, **Spring Boot**
- Solved more than **400+ DSA** problems in various platforms such as leetcode, GFG , and Coding Ninjas.