MUKUL KUMAR

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SUMMARY

A highly motivated Software Developer & Machine Learning Enthusiast. Skilled in Java, Node.js, React.js, and database management (MySQL, MongoDB, Oracle). Experienced in system performance analysis, troubleshooting, and automation. Proficient in building and optimizing ML models, conducting data preprocessing, EDA, and model fine-tuning. Adept at debugging, quality checks, and incident management, with a problem-solving mindset and the ability to thrive in fast-paced, collaborative environments.

EDUCATION

Bachelor of Technology in Computer Science, GLA University, Mathura, 81.11%   *August 2023 – Present*

Diploma in Computer Science And Engineering, MMIT with "HONORS" *80.95%*   *August 2020 – May 2023*

SKILLS

- **Programming Languages:** Java, C, Python, Javascript
- **Frontend:** HTML, CSS, Tailwind CSS, Bootstrap, React.js
- **Backend:** Node.js, MySQL, MongoDB
- **Core Concepts:** Software Engineering, OOPS, DBMS, Operating Systems, Computer Networks
- **AI & Emerging Technologies:** AWS, OpenAI (ChatGPT), Gemini API, Streamlit, Cloud Computing
- **Professional Skills:** Problem-solving**,** Team collaboration**,** Effective communication**,** and Self-motivation.

INTERNSHIP/ TRAINING EXPERIENCE

Bluestock Fintech Company   *November 2024 – December 2024*
Software Development Engineer (SDE) Intern

- **Developed a User Management Dashboard** with real-time stock insights and role-based access control, improving data security by **40%**.
- **Optimized API calls and database queries**, reducing server response time by **50%**, and enhancing system efficiency.
- **Built a scalable, responsive UI using Next.js and Tailwind CSS**, improving page load speed by **30%** and user engagement by **25%**.

Job-Oriented Value-Added Course, GLA University, Mathura   *June 2024 – July 2024*
Python Machine Learning and Data Science Trainee

- Analyzed datasets using Pandas, NumPy, and Matplotlib, improving data processing **efficiency by 50%**.
- Built and deployed ML models with **an accuracy of 85%,** demonstrating proficiency in predictive analytics.

PROJECTS

EduVerse Blogging Platform *Project Link*   *January 2025 – March 2025*
Tech Stack: MERN (MongoDB, React.js, Node.js), JWT, Socket.io

- Engineered a **full-stack blog application** with **secure authentication (JWT)** and **full CRUD functionality**.
- Integrated **real-time updates** using **Socket.io**, improving **content interaction efficiency by 45%**.
- Enhanced **UI/UX** with **React Router & Tailwind CSS**, resulting in a **35% boost in user retention**.

Gemini SwiftChat *Project Link*   *October 2024 – November 2024*
Tech Stack: React.js, Tailwind CSS, Custom Hooks, Gemini API, Axios

- **Built a responsive AI chatbot** with **React.js & Tailwind CSS**, enhancing accessibility by **50%**.
- **Optimized API response time** by **30%** using **Axios & Gemini API**, ensuring real-time interactions.
- Deployed on **Netlify**, driving a **20% boost** in daily active users.

Book Recommendation System *Project Link*   *August 2024 – September 2024*
Tech Stack: Scikit-Learn, Pandas, NumPy, Streamlit, Machine Learning

- Built an **ML-based recommendation system** with **optimized data pipelines**, reducing **data processing time by 60%**.
- Conducted **EDA** and fine-tuned **ML models**, achieving an **accuracy boost of 20%** over baseline models.
- Designed an **interactive UI with Streamlit**, maximizing **user engagement by 40%** and streamlining recommendations.

CERTIFICATIONS

- Certified in Machine Learning and Data Science by Coding Blocks *Link*
- Certified in Introduction to Cybersecurity by Cisco Networking Academy *Link*
- Certified in Data Visualisation: Empowering Business with Effective Insights by Tata Group X Forage *Link*
- Certified in Six Sigma White Belt Course by Council For Six Sigma *Link*

ACHIEVEMENTS

- **IntegraMinds Bootcamp –** Designed and developed a responsive admin dashboard for the **Student Seamless Management System**, streamlining operations, reducing administrative workload by **30%**, and enhancing user engagement by **25%.**
- **Microsoft Student Ambassadors Web Development Workshop** – Gained hands-on experience in full-stack development, API integration, and software engineering best practices.