

Khushi Kumari

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SUMMARY

Software engineer and B.Tech Computer Science (AI and Machine Learning) student with an 8.85/10 CGPA and hands-on experience across three internships. Ships end-to-end full-stack web applications: MERN-stack platforms backed by REST APIs and MongoDB, content-based recommendation systems, and machine learning classification and regression pipelines. Proficient in JavaScript/TypeScript, Python, and Java with strong data structures and algorithms, object-oriented design, and relational/NoSQL database fundamentals.

EDUCATION

• Amity University Jharkhand | *Expected 2027*

B.Tech in Computer Science and Engineering (AI & ML), CGPA: 8.85/10

• Ursuline Inter College, Ranchi | *2023*

Class XII (Senior Secondary), 84%

• Yogoda Satsanga Kanya Vidyalaya | *2021*

Class X (Secondary), 88.6%

SKILLS

- Programming Languages: Python, JavaScript/TypeScript, Java, C/C++, SQL, R
- CS & Math Foundations: Data Structures & Algorithms, Object-Oriented Design & Programming, DBMS, Operating Systems, Probability & Statistics, Linear Algebra
- Backend, APIs & Testing: Node.js, Express.js, REST API Design, Authentication (NextAuth, OAuth, JWT), Postman
- Frontend: React, Next.js (App Router), Vite, TailwindCSS
- Databases: MongoDB (Mongoose, compound indexes), SQL
- AI / ML: Scikit-learn, Pandas, NumPy, TensorFlow, OpenCV, NLTK, Regression & Classification, Data Preprocessing & Feature Engineering, Matplotlib, Seaborn
- Tools & Workflow: Git & GitHub, Vercel, Sanity.io, Agile/Scrum, Figma

EXPERIENCE

• Kognos InfoSystem Pvt. Ltd. | *April 2026 - Present*

Software Trainee Intern

- Developing server-side REST APIs with Node.js and Express.js and optimizing database query latency in MongoDB across application modules.
- Building responsive, interactive frontend layouts in React 19 with Redux-managed application state.
- Collaborating with cross-functional teams in an Agile Scrum environment, participating in daily stand-ups and code reviews.

• Codsoft | *June 2025 - July 2025*

Machine Learning Intern

- Built classification and regression models (Random Forest, Support Vector Machines, Ridge regression) using Scikit-learn, Pandas, and NumPy.
- Performed data preprocessing, feature engineering, and handling of multi-dimensional target datasets, evaluating models on precision, recall, F1-score, and MSE.
- Visualized output trends and model diagnostics with Matplotlib and Seaborn for reporting.

- HackerRank | *July 2024 - August 2024*

Software Engineer Intern

- Collaborated with engineering teams to design and validate algorithmic coding challenges testing graph theory and dynamic programming.
- Scripted automated edge-case verification tools in Python to optimize platform test-suite validation, and analyzed backend evaluation workflows using SQL and Java to ensure grading accuracy.

PROJECTS

- OtakuMind | *AI-Powered Anime Tracker & Recommendation Engine* [Live Link](#)

Next.js, React, Node.js, Express.js, MongoDB, TailwindCSS

- Developed a minimalist anime-tracking web platform and content-based recommendation engine with a Next.js frontend on a Node.js/Express REST backend.
- Engineered a franchise-normalization system using NLP (token sort ratios and Levenshtein distance) to group season variations and movies under unified franchise nodes.
- Implemented a live broadcast-schedule tracker with Node.js cron jobs and external API integrations, delivering real-time airing countdowns for user watchlists.

- YC Directory | *Startup Directory & Pitch Voting Platform* [Live Link](#)

Next.js (App Router), React 19, Node.js, Express.js, MongoDB, NextAuth v5, Sanity.io

- Built a responsive full-stack platform enabling entrepreneurs to submit startup pitches, browse directories, and vote on active campaigns.
- Designed RESTful APIs with Express.js and optimized MongoDB querying via compound indexes for text search and upvote aggregation.
- Integrated secure GitHub OAuth using NextAuth v5 and used Sanity.io for real-time content management and dynamic UI updates.

- Portfolio Website | *Interactive Personal Portfolio Dashboard* [Live Link](#)

Next.js, React, GSAP, TailwindCSS, Vercel

- Designed and developed a responsive, statically-rendered personal portfolio site with Next.js and React.
- Implemented smooth multi-section navigation and custom GSAP scroll and micro-animations to enhance user interaction and page retention.
- Deployed on Vercel with environment-based configuration and automatic CI/CD on every push.

CERTIFICATIONS

- Software Engineer Intern Certification, HackerRank | *August 2024*

- Machine Learning Internship Certification, Codsoft | *July 2025*

- Fundamentals of Object-Oriented Programming (Elite), NPTEL, IIT Roorkee | *April 2025*