ABHINAV KUMAR

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INTEREST

Frontend Development, Data Analysis and Visualization, Research and Development, Graphic Design and UI/UX, Artificial Intelligence and Machine Learning, Innovation and Entrepreneurship, and Prompt Engineering.

EXPERIENCE

- **Pratiyogita Setu [🌐]**   *Feb 2025 - Present*
  Founder   India
  ◦ Launched an AI-powered exam prep platform for competitive exam aspirants.
  ◦ Developed **Pariksha Yogya**, an eligibility and attempt tracker to help students understand their exam qualifications.
  ◦ Designed **Pariksha Marg**, a structured syllabus roadmap for systematic and effective learning.
  ◦ Built **Pariksha Gyan**, an AI chatbot that delivered real-time explanations, topic-wise PYQs, and Q&A insights.

- **Sewa International [🌐]**   *May 2025 – Jul 2025*
  Website Developer & Digital Outreach Volunteer   Hybrid, India
  ◦ Managed and maintained website on Wild Apricot, updated pages to align with upcoming events and programs.
  ◦ Improved website SEO health score from **45** to **75** (**+66.7%** increase).
  ◦ Engaged in Grassroots Leadership Camp, co-organized SEWA FELLOWSHIP, and guided **120+** candidates.

- **Gloomweb Solutions [🌐]**   *Apr 2025 – Jun 2025*
  Frontend Developer Intern   Remote (Client: Canada)
  ◦ Translated Figma designs into responsive and accessible web UI using HTML, CSS, Tailwind CSS, and JavaScript.
  ◦ Collaborated with the team in an Agile product development environment to deliver scalable and production-ready front-ends.
  ◦ Maintained clean, well-documented code, and ensured seamless back-end integration.

- **Big and Best Mart [🌐]**   *Dec 2024 - Feb 2025*
  Frontend Developer   India
  ◦ Developed an e-commerce platform for selling stationery and daily essentials using MERN tech.
  ◦ Designed and implemented a user-friendly interface for seamless online shopping using React.js, Tailwind css, Next.js.
  ◦ Focused on optimizing website performance and ensuring a smooth customer experience.

- **CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI [🌐]**   *July 2024 - Nov 2024*
  AI and ML, Chatbot Development   Delhi, India
  ◦ Developed an AI chatbot using NLP models (Google-BERT, Sentence Transformers) and Pinecone for vector database to deliver precise answers from NCERT content for competitive exam (UPSC, SSC, etc).
  ◦ Built Django Web App enabling users to query questions and receive accurate responses efficiently.
  ◦ Optimized data pre-processing and query matching algorithms to enhance retrieval speed and accuracy.

- **CHEGG [🌐]**   *Sept 2023 - Present*
  Subject Matter Expert   Remote
  ◦ Solved complex problems related to Data Structures and Algorithms, Computer Networking, and Programming.
  ◦ Successfully addressed **100+** questions, provided detailed explanations and solutions, maintaining **80%** accuracy.

- **BEYONDEXAMS [🌐]**   *July 2022 - Nov 2022*
  AI Youtube video Classifier   Delhi, India
  ◦ Built an AI model using Python and Scikit-learn to classify youtube videos as educational or non-educational.
  ◦ Developed a user-friendly website and initiated a Chrome extension for seamless video classification.

EDUCATION

- **Cluster Innovation Centre, University of Delhi**   *Nov 2021 - June 2025*
  B.Tech (Information Technology and Mathematical Innovation)   Delhi, India
  ◦ CGPA: 8.24/10

- **Maa Bhargwati International School**   *March 2021*
  Intermediate   Bulandshahr, India
- **Rashtriya Military School , Ajmer**   *March 2019*
  Secondary Education   Ajmer, India

PROJECTS

- **Need DU: Web platform for Delhi University students**
  Tools: HTML, CSS, JavaScript, SQL, React [⚙]
  - Created a web platform enabling Delhi University students to connect.
  - Integrated features to access College exam PYQ, buy/sell items, and find nearby accommodations to their colleges.

- **Analysis of Agritech Startups in India**
  Tools: Data analysis tools (e.g., Python, Excel)
  - Conducted in-depth analysis of Agritech startups, identifying growth trends and challenges - urban and rural.
  - Examined the advantages of technology integration in the agricultural sector, assessed the pros and cons.

- **Cloud Resource Manager Software**
  Tools: React.js, Node.js
  - Engineered a monitoring system for personal servers, with a Django backend for system resource data collection.
  - Designed Figma screens and frontend created with React.js for real-time data visualization and user interaction. Integrated Node.js for user authentication and MongoDB for storage.

SKILLS

- **Programming Languages:** Python, C/C++, Java, HTML, CSS, JavaScript
- **Developer Tools:** Visual Studio Code, Git, GitHub
- **Frameworks & Libraries** React.js, Django, OpenCV, Scikit-learn
- **Cloud & Databases** SQL, Pinecone
- **Operating Systems** Windows, Linux
- **Graphics & UI/UX designing tools:** Canva, Figma
- **AI & Automation Tools:** Github Copilot, Lovable.dev, Bolt.dev, ChatGPT, Gemini
- **CMS & Web Tools:** WordPress, Zoho, Wild Apricot, SEO

ACHIEVEMENTS AND POSITION OF RESPONSIBILITY

- Cleared the All India Rashtriya Military School and Sainik School Entrance Examinations.
- Selected for B.Tech (Information Technology and Mathematical Innovation) at Cluster Innovation Centre, University of Delhi, among 50 seats.
- Secured fourth position in hackathon organized by Beyond Exams.
- Core team member of college hackathon (Convoke 5.0) organizing team, managing logistics and event planning.

CERTIFICATIONS

- **Sewa International:** Grassroot Leadership Camp Volunteer (Jaipur) *21 June - 22 June, 2025*
- **National Cadet Corps:** All India UP Trekking Camp *10 Nov - 17 Nov, 2024*
- **National Cadet Corps:** Combined Annual Training Camp (2023,2024) *14 - 23 June, 2023 / 15 - 24 July, 2024*
- **Beyond Exams:** Hack2Educate Hackathon Participant *11 Nov - 13 Nov, 2022*
- **IIRS E-Learning:** Geographic Information System Overview *3 Oct - 27 Oct, 2022*

EXTRA-CURRICULAR ACTIVITIES

- **National Cadet Corps** *Nov 2022 - April 2025*
  Rank: CADET Delhi, India
  - Completed Combined Annual Training Camp (2023,2024) , leading and managing a team of **50+** cadets.
  - Completed All India UP Trekking Camp with rank Company 2IC, commanding a team of 101 cadets.
  - Successfully passed National Cadet Corps **Certificate - B** with **"B"** grade and **Certificate - C** with **"A"** grade.