AKASH KATIYAR

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Metallurgical Engineering IIT (BHU), Varanasi	8.82	2025
CISCE (XII)	LUCKNOW PUBLIC COLLEGE, RAJAJIPURAM, LUCKNOW	90.80	2020
CISCE (X)	LUCKNOW PUBLIC COLLEGE, RAJAJIPURAM, LUCKNOW	94.67	2018

SKILLS

- **Programming Languages :** C/C++, JavaScript, Motoko
- **Frameworks/Tools :** HTML, CSS, Tailwind, React.js, Node.js, Express.js, PostgreSQL, MongoDB, Git/Github
- **IT Construct :** Data Structure and Algorithms, OOPs, System Design, DBMS, Operating System
- **Non Technical :** Cross-Functional Leadership, Self-driven, Team-Work, Problem Solving, Process Optimisation

INTERNSHIP/TRAINING

Web Development Internship - Unified Mentor Private Limited   May 2024 - July 2024

- Enhanced security **against brute force attacks** by implementing the **Bcrypt** password-hashing function.
- Further enhanced security by implementing **multiple rounds of hashing and salting** for user passwords.
- Implemented a **secure** and **seamless user authentication** by integrating **OAuth strategy** for registration and login.

PROJECTS

Decentralised Note Keeping App

React Frontend and Internet Computer Protocol (ICP) Backend written in Motoko Language

- Utilised **React hooks (useState, useEffect)** for state management and performed **CRUD** operations via **async calls**.
- Leveraged **Blockchain technology** for **decentralised storage** and implemented **data persistence** in the backend.

Text to Image App

AI-powered image generation web application, transforming user text prompts into visually engaging outputs.

- Developed backend using **Node.js** and **Express.js**, with **MongoDB** as the database for efficient data management.
- Utilized **React.js** and **Tailwind CSS** to design and implement **user-friendly**, **responsive** and **dynamic** interface.
- Implemented **community forum** for sharing images generated by the **OpenAI API**, integrating **Cloudinary** for storage.

To-Do List

Full-stack Web Application with seamless integration of Backend and Frontend technologies

- Utilized **Node.js, Express.js, PostgreSQL** for **CRUD** operations, using **pgAdmin4** for **database administration**
- Designed and implemented **dynamic**, **user-friendly** frontend using **Embedded JavaScript (EJS), HTML** and **CSS**.

POSITION OF RESPONSIBILITY

Head, Tech Team, Metallurgy Society, IIT (BHU) Varanasi   July 2023 - Present

- Led a team of 10+ developers in successful development and deployment of Metallurgy Society's official website.
- Personally contributed to the project by designing and implementing a dynamic and visually appealing Gallery page.

Co-Head, Tech Team, Games and Sports Council IITBHU   November 2023 - July 2024

- Led a team of Web Developers, fostering collaboration and delivering a fully functioning Sports Council website.
- Managed the entire development process, from design to deployment, ensuring the website met all requirements.

Head, Quiz Making Team, Metallurgy Society, IIT (BHU) Varanasi   August 2023

- Led a team of 20 individuals to prepare and evaluate questions for IIM Quiz, attended by 50+ schools

HONOURS AND ACHIEVEMENTS

- **Knight on Leetcode** | Max Rating :**1896** | Among the **Top 4.6%** of all Leetcode users Globally.
- **Specialist on Codeforces** | Max Rating :**1537**
- **Codeforces Round 962**, Secured **Global Rank 529** among 40k+ candidates appearing for the round.
- **Leetcode Biweekly 133**, Secured **Global Rank 666** among 35k+ candidates appearing for the contest

EXTRA-CURRICULAR ACTIVITIES

Business Club

- Participated in the event Bearish Bull, B.A.S.H. 4.0. hosted by The Business Club, Science and Technology Council.

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