

ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2022 - Present	B.Tech.	Indian Institute of Technology Kanpur	7.30 /10
2022	Maharashtra State Board(XII)	Vidya Valley Northpoint School	76.2%
2020	Maharashtra State Board(X)	MSS High School & Junior College(Mate Shala)	93.3%

PROFESSIONAL EXPERIENCE

Backend Developer Intern | CampusHaat

June'25-Aug'25

Objective	• Built a data analysis dashboard enabling the founder to gain business insights for data-driven decisions
Approach	• Developed backend APIs using Express.js with MySQL integration for efficient data flow management • Integrated controllers and routes to fetch and also process team-provided queries for dashboard insights • Integrated a responsive Next.js frontend with Shadcn library to truly enhance data visualisation
Impact	• Developed an interactive dashboard for dataset exploration, providing insights to support business needs

Software Developer Intern | Frupple

July'25-Aug'25

Objective	• Integrated Google Analytics and Google AdSense to track publisher performance and enable insights
Approach	• Implemented Google OAuth with NextAuth.js to securely handle user sign-in and verify JWT tokens • Developed custom code for Google AdSense and Analytics integration to ensure secure connectivity • Fixed recurring backend storage bugs in PostgreSQL and SQLAlchemy ORM to improve reliability • Resolved critical post-deployment issues and significantly enhanced UI using Next.js 14 and Tailwind CSS
Impact	• Delivered a secure integration system that improved analytics flow, sign-in and platform stability

KEY PROJECTS

AI Resume Analyzer | Self Project

Jan'25

- Build AI-powered resume app with **OCR** (Google Vision) for text extraction and **OpenAI API** scoring, ranking & analysis
- Applied preprocessing (noise removal, normalization, tokenization) for **structured NLP input** and accurate skill detection
- Designed backend with **Express + MongoDB** and built a responsive Next.js/Tailwind UI for interactive analytics & feedback
- Automated deployment via **Docker + CI/CD**, ensuring reliable builds, testing, monitoring, logging, and scalable cloud release

Banking System | Self Project

Mar'25

- Built a **C++** banking system that fully supports account creation, deposits, withdrawals, transfers, and history with **OOPS**
- Applied **SOLID** principles, exception handling, **RAII**, and design patterns for maintainability and essential validations
- Implemented file-based **persistent storage** with audit logs, ensuring recovery, consistency, and full transaction traceability
- Developed an **interactive CLI** with authentication, PIN checks, and role-based access to simulate secure real-world banking

Insurance Application Backend | Uniqover

Jul'25

- Built a secure backend to manage **insurance applications**, validating requests and storing approved entries in **MongoDB**
- Designed a modular **REST API** with **Express.js 5**, using **Mongoose schemas** with constraints to ensure data consistency
- Implemented centralized **error handling** with **custom error codes**, standardized **API responses**, and async wrappers
- Streamlined deployments with configuration management and modular components, ensuring scalability, error traceability

Companion Arbiter PUF | CS771 Course Project — Prof. Purushottam Kar, IIT Kanpur

Jan'25-April'25

- Mathematically demonstrated vulnerability of a **Physically Unclonable Function** to decryption using a **linear classifier**
- Enhanced accuracy to **99.3%** and reduced training time to **1.99s** by engineering **528** features from the original **32** features
- Examined efficacy of **LinearSVC** and **LogisticRegression** models by optimising **hyperparameters** like tol, loss and penalty
- Conducted experiments on benchmark PUF datasets, evaluating scalability, robustness, and generalization of trained models

TECHNICAL SKILLS

Programming Languages	C, C++, Python, JavaScript, SQL, Java
Web & Backend	HTML, CSS, Node.js, Express.js, REST APIs, MongoDB, MySQL
DevOps & Cloud	Docker, Git & GitHub, GitHub Actions (CI/CD)
Software Tools	MongoDB Compass, Postman, VS Code, Jupyter Notebook

RELEVANT COURSES

*ongoing course

• Fundamentals of Computing I & II • Data Structures & Algorithms • Computational Methods*	• Linear Algebra • Single & Multivariable Calculus • FEM for Fluid Dynamics*	• Ordinary Differential Equations • Partial Differential Equations • Introduction to Machine Learning
--	--	---

POSITIONS OF RESPONSIBILITY & EXTRACURRICULARS

- Mentored 6 enthusiastic freshmen during Orientation'23, ensuring smooth academic, social, and cultural transition at IIT.
- Led a creative Hall XII team of 20+ members in Galaxy'24 drams competition, fostering collaboration, creativity, and spirit.
- Actively participated in Galaxy'23 Nukkad Natak, showcasing acting skills before a diverse audience, placed an impressive **3rd**.
- Acquired discipline, leadership, fitness and resilience through rigorous **NCC training** under the guidance of the army.