

Ujjwal Kumar

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Information Technology undergraduate in 4th year with hands-on MERN stack experience, a strong foundation in Data Structures and Algorithms using C++, and growing experience in data analytics through Python-based projects and data visualization.

Education

Maharaja Agrasen Institute of Technology

Bachelor of Technology in Information Technology

New Delhi, India | Graduation Year: May 2027

****Current CGPA:** 9.0 / 10**

Technical Skills

Languages: C, C++, Python, Java, HTML, CSS, JavaScript

Frameworks & Libraries: React, Node.js, Express.js, Tailwind CSS, Next.js, Flask, Streamlit

Databases: MySQL, MongoDB

Tools: Git, GitHub, VS Code, Vercel, Postman, MongoDB Compass, Figma

Projects

- **Git Risk Analyzer – Predictive Code Risk Analysis** | Python, XGBoost, Scikit-learn, Streamlit
 - Built an ML pipeline for software defect prediction using 873K+ Git commits from 15 open-source projects.
 - Trained calibrated Logistic Regression and XGBoost models with ROC-AUC 0.99 using temporal validation.
 - Developed an interactive Streamlit dashboard for real-time repository risk analysis and reporting.
 - [Live Demo](#) | [Github](#)
- **Job & Skills Demand Analysis** | Python, Pandas, Seaborn, Matplotlib, Jupyter Notebook
 - Analyzed real job-posting data to identify top data roles, in-demand skills, salary trends, and the best skills to learn for stronger job opportunities.
 - Cleaned and transformed dataset using Pandas, including date parsing, skill extraction, and role-based filtering for India and U.S. job markets.
 - Built visual insights with Seaborn and Matplotlib using bar charts, line charts, box plots, and annotated scatter plots.
 - [Readme](#) | [Github](#)
- **Bountera - Bounty Management Platform** | Next.js, React, Tailwind CSS, NextAuth, Vercel
 - Built and deployed a full-stack bounty marketplace on [bountera.live](#), featuring role-based creator and bounty poster workflows with automated CI/CD on Vercel and HTTPS support.
 - Implemented Google OAuth 2.0 with NextAuth, secure session handling, role-based access control, and complete bounty lifecycle management.
 - Developed a reward points system with real-time tracking, activity logs, and leaderboard ranking.
 - Developed responsive dashboards with search, filtering, activity tracking, reward points, and leaderboard rankings.
 - [Live Demo](#) | [Github](#)

Achievements & Activities

Prime Minister's Scholarship Scheme (PMSS) Recipient

- Awarded a prestigious national scholarship through the National Scholarship Portal for academic excellence and eligibility as a dependent of Central Armed Police Forces (CAPF) personnel. This scholarship supports professional education for the full duration of the degree program, demonstrating consistent academic performance and commitment.