Prashant Kumar

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EDUCATION

Pranveer Singh Institute of Technology, Kanpur, UP
Bachelors of Technology in Computer Science and Engineering
Dec 2022 - Aug 2026
GPA: **7.8**

Saraswati Vidya Mandir, Agra, UP
Senior Secondary **(Class XII)**
Jan 2021 - April 2022
Percentage: **84.2%**

PROJECTS

1. NexNews [Github Link]

- Built a responsive news app using React.js that fetches real-time headlines via public APIs, enabling users to explore top stories instantly.
- Integrated category-wise filtering and a custom search feature, improving content discoverability and user engagement.
- Optimized performance using React Hooks and Context API, reducing unnecessary re-renders and improving load speed by 25%.
- Applied component-based architecture with clean state management and routing using React Router, enhancing maintainability.
- Styled the UI using responsive CSS, ensuring seamless viewing across different screen sizes and devices.

2. FictoCheck [Github Link]

- Engineered a machine learning pipeline to classify news articles as fake or real with 92%+ accuracy.
- Applied NLP preprocessing (stopword removal, punctuation cleanup, case normalization) to improve model quality.
- Trained multiple models (Logistic Regression, Naive Bayes, Passive Aggressive Classifier) and compared metrics using Confusion matrix and visualization tools.
- Demonstrated real-world application of ML with clear bias reduction and data analysis skills.

3. ResumeNest [Live Link]

- Built a full-featured resume builder using React that allows users to input personal, education, and work details through Structured forms with real-time preview.
- Enabled clean, downloadable resume generation using jsPDF and html2canvas, streamlining the resume creation process for job seekers.
- Implemented routing with React Router for a multi-step form experience and maintained state effectively using React hooks.
- Designed a responsive and modern UI with TailwindCSS, ensuring accessibility across mobile, tablet, and desktop.
- Deployed the app on Vercel with seamless CI/CD, enabling fast and global availability with minimal downtime.

ACHIEVEMENTS

1. 5 Star **C++** Programming on **Hackerrank.**
2. Ranked **207th** in the Institute on **GeeksForGeeks** with a track record of solving **300+**problems with a coding score of **700+**.

CERTIFICATES

- Earned a Certificate in Transformer-Based Natural Language Processing by **NVIDIA. [Certificate Link]**
- Completed **JP Morgan's** Software Engineering course on the **Forage** platform with implementation using IntelliJ IDEA. **[Certificate Link]**
- Participated in **GFG's 160 Days of Problem Solving** (22-week structured course with summer workshops). **[Certificate Link]**

SKILLS

Languages: C, C++, Python, JavaScript.
Frontend Technologies: HTML, CSS, React.js.
Backend Technologies: Node.js, Express js.
Database: MongoDB, MySQL, Oracle
Developer Tool: Git, Github, VsCode, Postman, Sublime.

RELEVANT COURSEWORK

Computer Science: Data Structures and Algorithm, Database Management System, Object Oriented Programming, Operating System, MySQL.