

Arjun Varshney

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📍 Lucknow, India

📁 Portfolio

[in](#) LinkedIn

[G](#) Github

[L](#) LeetCode

Enthusiastic and forward-thinking student with a strong foundation in full-stack web development and a growing proficiency in machine learning. With a passion for innovation and a proactive mindset, I am committed to continuous learning and growth in the field of Computer Science.

Seeking an internship to further develop my skills, collaborate with industry professionals, and contribute to impactful projects.

🔧 TECHNICAL SKILLS

Programming languages (Java, Javascript, Typescript, Python)

Frontend Development (HTML, CSS, React.js, Next.js)

Backend Development
(Node.js, Next.js, Express.js, Flask)

Database Management
(MongoDB, MySQL, PostgreSQL, Prisma ORM)

Data Cleaning and Processing
(Numpy, Pandas)

Data Visualization (Matplotlib, Seaborn, FastEDA)

Machine learning/ Deep learning
(Scikit-learn, Tensorflow)

Devops (Docker, Docker Compose)

Extensive knowledge about Data structures and Algorithms
(Java, Javascript)

Version Control / Other tools
(Git, Github, Visual Studio Code)

📁 PROJECTS

Your-Norm [🔗](#)

Full stack blog application

- Developed feature-rich blog platform with Quill editor for text formatting.
- Implemented text-to-speech functionality for accessibility, enabling users to listen to content with customizable settings.
- Designed user profiles, save for later feature, activity monitoring, and stringent security measures, fostering user engagement and safeguarding data integrity.

Pdf-ops [🔗](#)

NPM package

- NPM package offering PDF manipulation tools like merge, resize, split, rotate, and more.
- Leveraged it to develop 'pdfz' website, enabling client-side PDF operations.

PDFz [🔗](#)

Frontend development and pdf processing

- Developed using "pdf-ops" npm, enabling effortless PDF tasks like merging, splitting, rotating, resizing, and image to PDF conversion.
- Intuitive interface, customizable themes, ensuring seamless user experience, and highlighting frontend design proficiency.

Zomato Data Analysis [🔗](#)

Data Processing and Analysis

- Analyzed Indian Zomato data, uncovering trends in restaurant preferences, cuisines, and customer behavior.
- Extracted insights to inform business strategies.
- Utilized data visualization techniques to present findings effectively.

JSONtoHTML-render [🔗](#)

NPM package

- Light weight library to render js object as coloured and interactive HTML structure.
- Fully customizable.
- Compatible with most frontend frameworks like react, raw js, etc.
- Small size of \approx 25kb

SOFT SKILLS

Communication (*Effective verbal and written communication demonstrated through presentations and projects.*)

Problem Solving (*Ability to troubleshoot issues and find innovative solutions to technical challenges.*)

Time management (*Strong time management skills, adept at prioritizing tasks and meeting deadlines.*)

Adaptability (*Flexible and adaptable in dynamic work environments, with a willingness to learn new technologies and methodologies.*)

EDUCATION

Bachelor of Technology

Shri Ramswaroop Memorial College
April 2021 – present
Lucknow, India

Currently enrolled in a rigorous and comprehensive B.Tech program with a specialization in Computer Science and Engineering. Engaging deeply with core concepts and methodologies in computer science to build a strong foundation for future endeavors.

12th ISC

The Modern School
April 2007 – April 2021
Lucknow, India

During my high school years at The Modern School, I fostered a passion for lifelong learning and critical thinking. This foundation has been instrumental in driving my academic pursuits in engineering and technology.

JSON Formatter

Chrome extension

- Developed a customizable Chrome extension for transforming raw JSON data into interactive, visually appealing formats with themed viewing options and customizable display settings.
- Empowered users to enhance readability with font adjustments, line numbering toggles, collapsible sections, and distinct value coloring options.

Everything Store

Ecommerce Website

- Provides a admin dashboard for product management
- Exposed necessary API endpoints for using in a custom store application
- Provides Category and Billboard Management

Body Works

Web scraping and API development

- A dynamic exercise database showcasing diverse routines and exercises sourced from the web and interpreting it with the help of AI
- Made an API to make it accessible to the developers for integrating it with other application.
- Made a responsive web application from the data with an intuitive UI/UX.

Auto-racer

self driving car simulation

- Engineered custom neural network for reinforcement learning without external libraries.
- Developed browser game with AI opponent using HTML, CSS, and JavaScript.

Movie Recommender

- Developed Movie Recommender System using content-based filtering, analyzing user ratings and movie attributes to generate personalized recommendations.
- Utilized self made algorithms to compute similarities between movies and users, enhancing the accuracy of tailored suggestions.

Fake news detection system

- Implemented Fake News Detection model using logistic regression and Tfidfvectorizer, analyzing linguistic and structural features to distinguish between genuine and false information.

High Pixel Zone

Sold out

- Designed and developed a responsive website for High Pixel Zone, specializing in wedding photography.
- Managed hosting setup and domain connection, ensuring smooth online presence for the business.

Wrote a blog explaining Linear regression

Content Writing