SHREY VARSHNEY

📞 +91 8448535908 ✉ shreyvarshney1@gmail.com 🔗 linkedin.com/in/shreyvarshney1 ⭘ github.com/shreyvarshney1

Education

VIT Bhopal University, Bhopal	**2022 - 2026**
B.Tech in Computer Science & Engineering	*CGPA: 8.80/10.0*
M.L. Khanna D.A.V. Public School	**2020 - 2022**
X, XII	*94.0%, 92.6%*

Technical Skills

Languages: Python, Java, C/C++, JavaScript

Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

Technologies/Frameworks/Tools: React JS, Next JS, Node JS, HTML, CSS, Git, Docker, Cloudflare, Cloudinary, SQL, MongoDB, PostgreSQL, Drizzle

Projects

Little Champs ChatApp: Real-time Preschool Communication Platform   <u>Live Here</u>

- Developed a **real-time announcement platform**, enhancing engagement in preschool activities.
- Utilized **Next.js** with **Drizzle ORM** and **PostgreSQL** to support role-based access for over 100 daily users.
- Enabled teachers to share **photos, videos, and activity updates**, providing parents with real-time insights into their child's preschool environment.
- Deployed the application on **Cloudflare**, achieving a 40% improvement in load times and enhanced scalability.

SheetSync: Cloud-based Google Sheets API   <u>Source Code</u>

- Built a **cloud-based service** that automated **Google Sheets** insertions, increasing operational efficiency by 40%.
- Handled over 100,000 insertion requests, reducing response times by 50% during high-volume events.
- Integrated support for **Cloudflare Workers** via Wrangler, streamlining JavaScript execution in serverless environments.

ScreenSnap: Electron Screen Recorder   <u>Source Code</u>

- Created a screen recording application using **Electron** and **JavaScript**, with support for recordings at up to 60 FPS.
- Implemented features such as **variable frame rate** and **audio input source selection**, enhancing user control by 35%.
- Enabled various export options including **MP4**, **GIF**, and **WebM**, reducing post-processing time by 25%.
- Integrated secure sharing options with **Google Drive** and **Dropbox**, facilitating file transfers for over 200 users.

Digital Reads: Online Bookstore and Rental Platform   <u>Live Here</u>

- Orchestrated a **e-commerce platform** that supports buying, reading, sharing, and renting books for a growing user base.
- Built with **Next.js** integrated **Stripe** for secure payments, enabling seamless transactions for book purchases and rentals.
- Utilized **Prisma ORM** with **MySQL** to ensure robust database operations, maintaining 99.9% uptime.
- Implemented role-based authentication and user authorization, streamlining user experience across buyers, renters, and administrators.

Stock Price Prediction using LSTM   <u>Source Code</u>

- A program using **Python**, **Keras**, and **LSTM** networks to forecast stock prices, achieving an RMSE reduction of 15%.
- Fetched and processed over 20 years of historical stock data using **yfinance**, **pandas**, **NumPy**, and **Matplotlib** for comprehensive analysis.
- Designed a model architecture with 128 LSTM units, dropout regularization, and a Dense output layer, resulting in improved predictive accuracy.

Certifications

NPTEL Cloud Computing

Indian Institute of Technology, Kharagpur

- **Cloud Computing — IIT** - Topped the course, ranking among the top 5% of students nationwide.

Achievements

- **Flipkart GRiD 5.0** - Competed among 210,762 learners across the nation. Cleared Round 1 and Qualified for Round 2.
- **Guardian on LeetCode** - Ranked in the top 0.99% globally with a 2219 rating. Achieved **Rank 35 out of 34,958** in Biweekly Contest 150.

Coding Profiles

- <u>**LeetCode**</u> - Solved 400+ coding problems.
- <u>**GeeksForGeeks**</u> - Solved 100+ coding problems.

Leadership

ReImagine Hackathon

Team Leader

- Led a team of 4 members, coordinated project development, and qualified for Round 2.