Ritwik Mathur

Software Engineer | Full-Stack Developer

007harshit.mathur.24@gmail.com | +91-7428330218 | Delhi, India
LinkedIn | GitHub | LeetCode

EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY
B.Tech in Biotechnology
2022 -- 2026 | Delhi, India
Relevant: DSA, OOP, OS, DBMS, CV, TOC, Statistics & Probability

SBV PEERAGARHI SCHOOL
Senior Secondary (CBSE)
Graduated: 2021
Percentage: 87%

TECHNICAL SKILLS

- **Languages:** C++, Python, JavaScript, TypeScript, SQL, HTML5, CSS3
- **Frontend:** React.js, Next.js, React Native, Tailwind, Bootstrap, Vite
- **Backend:** Node.js, Express.js, Flask, RESTful APIs, JWT, MVC, Microservices
- **Databases:** MongoDB, MySQL, Mongoose ODM
- **AI/ML:** Scikit-learn, TensorFlow, Keras, Pandas, NumPy, Gemini AI, OpenAI
- **Cloud:** GCP, Azure, Netlify, Render, Hostinger, Vercel
- **Tools:** Git, GitHub, Postman, VS Code, Babel, Webpack
- **Security:** JWT, bcrypt.js, OAuth
- **Data Viz:** Excel, Power BI, Google Sheets

CERTIFICATIONS

- Google Cloud Computing Foundations & Generative AI Fundamentals
- Postman API Student Expert

EXPERIENCE

UNIVOC FOUNDATION | Web Development Lead Intern
Nov 2024 -- Jan 2025 | Remote

- Built univoc.co.in using React, Vite, Hostinger with a 4-member team.
- Improved load time by 40% with Babel, lazy loading, and image optimization.
- Streamlined GitHub workflows and Agile sprints from Figma.

PROJECTS

SPY AI – CAREER COACH PLATFORM   Live Demo | GitHub
AI Career Assistant | Next.js 15 | Full-Stack

- Built AI-powered platform with building resume and ats score analyzer, cover letter generator, and mock interviews.
- Developed app using Next.js, React, Prisma, PostgreSQL, and Clerk Auth.
- Integrated Gemini AI and Inngest for career insights for background processing.
- Achieved 95+ Lighthouse score with real-time file handling and responsive UI.

FAKE NEWS & SCAM DETECTION   GitHub
Binary Text Classification using ML and NLP

- Developed a real-time fake news classifier using TF-IDF and Logistic Regression with custom preprocessing.
- Stack: Python, Scikit-learn, NLTK, Streamlit

WEATHER ANALYTICS DASHBOARD — POWER BI   GitHub
Real-Time Weather Insights with API Integration

- Designed dynamic Power BI dashboard with real-time weather API, location-based filtering. Visualized air quality ($PM2.5$, $NO2$, etc.) using DAX, gauges, heat maps, and trend lines.
- Stack: Power BI, DAX, Weather API, Time-series Analysis

ACHIEVEMENTS

- Delegate – HPAIR ACONF 2025, Tokyo [Link]
- Campus Ambassador – GSSoC 2025 [Link] & Contributor – GSSoC Extended 2024 (JavaScript) [Link]
- Tech Lead – BYT Productions (Startup)
- Completed ISRO's Course from IIRS Dehradun on *Remote Sensing Data Analytics in Crop Forecasting* (2025) [Certificate]
- 150+ Day LeetCode Streak