Aditya Singh
Software Engineer

Email: asaditya012345@gmail.com   Mobile: +91-6387269309
LinkedIn: adii25   GitHub: asaditya25
Portfolio: adityasingh-portfolio-dev.vercel.app

EDUCATION

- **Chandigarh University**   Mohali, Punjab, India
  Bachelor of Engineering in Computer Science; CGPA: 7.63   *Aug 2021 – Jul 2025*

- **St Xavier High School**   Gonda, Uttar Pradesh, India
  Intermediate (CBSE); Percentage: 81.8%   *2021*

- **St Xavier High School**   Gonda, Uttar Pradesh, India
  High School (CBSE); Percentage: 87.2%   *2019*

SKILLS SUMMARY

- **Languages**: Python, C++, SQL, HTML, CSS, JavaScript
- **Frameworks & Libraries**: Matplotlib, Seaborn, Pandas, Numpy, Node.js, React.js
- **Tools & Databases**: MySQL, GitHub, MongoDB Compass
- **Visualization**: Tableau, Power BI

PROJECTS

- **Drowsiness Detection System**:
  - Developed a real-time alert system with 95% accuracy using OpenCV and Dlib for facial landmark detection.
  - Implemented EAR algorithm to detect eye closure; processed 30+ FPS video with <0.5 sec latency.
  - Reduced simulated accident risk by 40% through early fatigue detection and alarm triggers.

- **Advocate Website – Full Stack Web Application**:
  - Built responsive frontend using React.js and Tailwind CSS, achieving 95%+ Lighthouse scores.
  - Developed 15+ secure REST APIs with Node.js/Express, implementing JWT authentication for core features.
  - Reduced MongoDB CRUD latency by 40% for 1K+ daily legal queries using indexing and schema design.
  - Deployed on Render with CI/CD; resolved SPA routing issues, achieving 99.9% uptime.

- **Diwali Sales Analysis using Python**:
  - Analyzed 50K+ transactions to identify buyer demographics: 82% married women aged 26–35 from UP, MH, KA.
  - Visualized top 10 products contributing to 65% of festive revenue ($1.2M) using matplotlib and seaborn.
  - Reduced cart abandonment by 20% and boosted engagement by 15% with time-based offers.

HONORS AND CERTIFICATIONS

- **Deloitte Data Analytics Job Simulation Certification**: Forage — 2025
- **Python Programming Certification**: Coursera — 2023
- **Tableau Data Visualization Certification**: Coursera — 2023
- **Java Programming Certification**: Coursera — 2022
- **Discrete Mathematics Certification**: NPTEL — 2022