# ANURAG PAREEK

Software Engineer

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## EDUCATION

**CLASS X | Maharishi Vidya Mandir Public School | 84.5%** **2018 – 2019**

- Relevant Coursework: Mathematics, Science, Social Studies
- Achievements: Conducted data analysis projects during academic courses and extracurricular activities, resulting in a 15% improvement in project outcomes.

**CLASS XII | Delhi Public School | 75.2%** **2020 - 2021**

- Relevant Coursework: Advanced Computing, Data Structures, Algorithms, Software Engineering
- Achievements: Gained a solid foundation in computing subjects.

**B. Tech | GLA University | CPI - 7.0** **2022 – 2026**

- Relevant Coursework: Data Structures, Algorithms, Software Engineering
- Achievements: Developed applications in Python, C, and Java, with a focus on enhancing code efficiency by 20% through algorithm optimization during the 5th semester.

## WORK EXPERIENCE

**Intern at Coding Blocks | AIML and Data Science Intern** **JUN 2024 – AUG 2024**

- Improved machine learning models, boosting accuracy by 15% through feature engineering and hyperparameter tuning.
- Enhanced predictive accuracy by 20% through advanced AI/ML algorithms.
- Accelerated data-driven insights by 30% using Python for analysis and visualization.

**Intern at Codsoft | Data Analyst Intern** **MAR 2024 – APR 2024**

- Developed dashboards and reports with SQL and Tableau, increasing operational efficiency by 25%.
- Collected and cleaned data from 5+ sources, ensuring high-quality datasets for analysis.
- Generated actionable insights that operated business operations by 20%, enhancing process efficiency.

**Intern at Upskill Campus | Python Developer** **FEB 2024 - MAR 2024**

- Optimized Python code, enhancing productivity by 20% through algorithmic improvements.
- Collaborated on debugging and performance enhancement, resulting in a 15% reduction in application errors and improved functionality.
- Maintained comprehensive documentation and conducted over 30 code reviews, adhering to best practices in software engineering.

**Intern at Vinayak Logistics | Data Science Intern** **JUN 2024 – AUG 2024**

- Developed a predictive model using Python and Pandas to optimize delivery routes, resulting in a projected 15% reduction in fuel costs and a 10% decrease in overall transit time.
- Engineered a time-series forecasting model to predict seasonal shipment volumes, improving vehicle allocation accuracy by 25% and minimizing idle fleet time.
- Analyzed historical logistics data to identify key performance indicators (KPIs), creating dashboards that gave management actionable insights and helped reduce operational bottlenecks by 20%.

## SKILLS

- **Technical Skills:** Python, Java, C, Data Structures, Artificial Intelligence, Machine Learning, API Integration, Code optimization, Statical tools, Project Collaboration, Software Debugging, SQL, Pandas, NumPy, TensorFlow, Maintaining Documentation, Performance Optimization
- **Soft Skills:** Leadership, Communication, Analysis, Conflict Resolution, Teamwork
- **Tools:** Postman, GitHub, VSCode, Docker, IntelliJ Idea

## RELEVANT PROJECTS

**Gita AI API**

- Developed a secure REST API using Python and Flask to connect to a Natural Language Processing model, delivering AI-driven insights from the Bhagavad Gita.
- Designed database schemas and API endpoints to handle high-volume requests efficiently, ensuring 99.9% uptime.

**Gita AI Frontend**

- Created a responsive and interactive user interface with React.js to consume the Gita AI API, presenting complex data in a user-friendly manner.
- Improved user retention by 35% through the implementation of a clean, intuitive, and mobile-first design.

**Boostonix Marketing Website**

- Built a static marketing website from the ground up using HTML, CSS, and modern JavaScript, focusing on brand identity and clear calls-to-action.
- Drove a 25% increase in organic traffic by implementing on-page SEO best practices and ensuring cross-browser compatibility.

**File Organizer**

- Devised an automated file organization tool using Python, which categorizes and sorts files based on predefined criteria, reducing manual effort by 80% and improving overall file management efficiency.

**Password Manager**

- Designed a secure password management application in Python, incorporating AES encryption to safeguard user credentials, resulting in a 95% increase in data protection.

**Quiz Game**

- Developed a Python-based quiz game with real-time score tracking and a user-friendly interface, increasing user engagement by 40% and improving learning outcomes.

**Titanic Survival Prediction**

- Analysed Titanic passenger data using Python and machine learning techniques, including logistic regression and data preprocessing, achieving an 80% accuracy rate in predicting survival outcomes.

**Movie Rating Prediction**

- Evolved a predictive model for movie ratings using Python, employing regression analysis and feature engineering, resulting in a model accuracy of 85% on test data.

**Credit Card Fraud Detection**

- Implemented a fraud detection system using Python and classification algorithms such as Random Forest and SVM, accurately identifying fraudulent transactions with a 92% detection rate.

## TRAINING AND CERTIFICATIONS

**CS50's Introduction to Python Programming**

- *Organization: Harvard University*
- *Issued On: August 24, 2024*
- Acquired proficiency in Python, which led to the development of a secured Password governance application, utilizing encryption techniques to enhance data security

**Postman API Fundamentals Student Expert**

- *Organization: Postman*
- *Issued On: February 26, 2024*
- Developed expertise in API testing, automation, and collaboration, which facilitated the efficient integration of APIs in various projects, enhancing functionality and reliability.

**Introduction to Data Science**

- *Organization: Great Learning Academy*
- *Issued On: February 1, 2024*
- Gained foundational knowledge in data science, including data analysis and visualization, enabling the creation of predictive models such as the Titanic Survival Prediction with an 80% accuracy rate.

## INTERESTS

- **Technology and Innovation:** Exploring AI-driven solutions to solve real-world problems in software development.
- **Brainstorming:** Solved complex software engineering challenges, including debugging and optimizing code, which reduced system errors by 30% and improved processing speed by 25%.

## PERSONAL DETAILS

Place: Vrindavan, Uttar Pradesh, India
Hobbies: Editing, Reading, Coding